



**Attention Contractors!!!**

*To include your company's SPI accomplishments in this SPI Information/Innovation Sharing Report, please contact your local DCMA Administrative Contracting Officer or SPI Focal Point.*

*Provide your submittals to your local DCMA Administrative Contracting Officer/SPI Focal Point for publication into this document on the DCMA SPI Home Page. Also, send any updates to the information contained herein to local DCMA Administrative Contracting Officer/SPI Focal Point. Be sure to reference the Process ID number.*

## AAI Corporation, Hunt Valley, MD

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764	<b><u>Business-Direct Billing</u></b>	Direct Voucher Submission: To allow direct voucher submission to DFAS, Columbus, without initial approval by DCAA based upon AAI's approved billing system pursuant to DFARS 242.803(b)(i)(c). (SPI modification completed)
1268	<b><u>Business-General</u></b>	Agendas & Conference Minutes: Replaces various Government requirements (DI-ADMIN-81249A, DI-ADMIN-81250A, DI-A-2166, DI-A-7088, DI-A-2167, DI-A-7089) with a standardized format that contains the necessary information, easily interpreted and lends itself to electronic transmission.
298	<b><u>Engineering-Configuration Mgmt</u></b>	Single Configuration Management System: To implement a single configuration management system in accordance with ANSI/ISO/ASQC Q10007-1995 within contractor's approved ISO-9001 Configuration Management System in lieu of MIL-STD-973. (SPI modification completed)
609	<b><u>Engineering-Drawings</u></b>	Engineering Drawing Practices: Replace current and future requirements for "Engineering Drawing Practices" of DOD-STD-100C, DOD-STD-100D(AR) and MIL-STD-100E with AAI's approved ISO-9001 Engineering Procedures and Drawing Practices and Design Guidelines Handbook. (SPI modification completed)
2045	<b><u>Manufacturing-Electronic Fabrication</u></b>	Replacement of Mil-S-13949, "General Specification for Printed Wiring Board Sheet," with IPC-4101, "Specification for Base Materials for Rigid Multi-layer Boards."
231	<b><u>Manufacturing-Electronic Fabrication</u></b>	Printed Wiring Assemblies: Replaces MIL-P-55110, General Specification for Rigid Printed Wiring Board - QPL Certification with MIL-PRF-31032, General Specification for Printed Circuit Board/Printed Wiring Board - QML Certification which allows AAI to implement commercial practices to the maximum extent possible. (SPI modification completed)
297	<b><u>Manufacturing-Soldering/Welding</u></b>	Soldering Requirements: Replaces MIL-STD-454, MIL-STD-2000 and customer tailored MIL-STD-2000 soldering requirements with the requirements of industry standard ANSI/J-STD-001. (SPI modification completed)
691	<b><u>Quality-Calibration</u></b>	Calibration System Requirements: To replace canceled MIL-STD-45662, Calibration System Requirements with ISO-10012-2, Quality Assurance Requirements for Measuring Equipment. (SPI modification completed)
1	<b><u>Quality-General/Multiple Processes</u></b>	AAI Quality System: Replaces existing MIL-I-45208A and MIL-Q-9858 Government Quality System Requirements with approved ANSI/ASQC-9001 Quality System - Model for Quality Assurance in Design/Development, Production, Installation and Servicing. (SPI modification completed)
306	<b><u>Quality-Non Conforming Material/MRB</u></b>	Nonconforming Material: Replaces MIL-STD-1520, "Corrective Action & Disposition System for Nonconforming Material," with specific AAI procedures contained within our ISO-9001 Quality Manual. (SPI modification completed)
690	<b><u>Quality-Supplier</u></b>	Preferred Supplier Program: To replace canceled MIL-STD-1535B Supplier Quality Assurance Requirements with AAI's Preferred Supplier Program which rates and selects high quality suppliers for acquisition needs. (SPI modification completed)

## AIL Systems, Inc., Deer Park, NY

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158	<u><b>Quality-Calibration</b></u>	Calibration System: ANSI/NCSL Z540-1-1994 "Calibration Laboratories and Test Equipment – General Requirements" replaced MIL-STD-45662A "Calibration System Requirements." MIL-STD-45662A was canceled on February 27, 1995. Notice 1, issued January 20, 1995 recommended ANSI/NCSL Z540-1 as an alternative. Block change modification was approved on May 29, 1996. The benefit is to have a single Calibration System on a facility-wide basis.
8	<u><b>Quality-General/Multiple Processes</b></u>	Quality System: ISO 9001:1994 "Quality Systems - Model for Quality Assurance in Design, Development, Production, Installation and Servicing" replaced MIL-Q-9858A "Quality Program Requirements" and MIL-I-45208A "Inspection System Requirements." AIL Systems has been an ISO 9001 registered firm since October 15, 1993. Block change modification was approved on May 29, 1996. The benefit is to have a single Quality Management System on facility-wide basis.

## Allison Engine Company, Indianapolis, IN

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826	<b><u>Manufacturing-General</u></b>	Process Control Requirements: The contractor proposed the replacement of MIL-STD-1529 with the contractor's own internal specification procedure utilized on commercial processes. The contractor's proposed concept paper was approved and incorporated via block change modification on 12/3/96.
827	<b><u>Quality-Calibration</u></b>	Calibration Systems Requirements: The contractor proposed the replacement of MIL-STD-45662A with the contractor's approved ISO 9001, since the calibration portion of the contractor's system complies with ISO 10012. The contractor's proposed concept paper was approved and incorporated via block change modification on 12/3/96.
813	<b><u>Quality-General/Multiple Processes</u></b>	ISO 9000 Certification/Audit: The contractor proposed that the Government recognize the 3rd party audit, provided the audit methodology was acceptable. This data as well as information obtained from internal audits would constitute the CAO review and approval process of the contractor's Quality System. The contractor also proposed the participation of the Government approved audit team in the initial review as well. The contractor's proposed concept paper was approved and incorporated via block change modification on 8/1/96.
824	<b><u>Quality-General/Multiple Processes</u></b>	Quality Management Systems: The contractor proposed the replacement of the following Government-unique Quality Assurance requirements: MIL-Q-9858A, MIL-I-45208A, MIL-STD-1535, MIL-STD-1520, and MIL-STD-980. The contractor proposed the replacement of the above requirements with the contractor's approved ISO 9001 system that has been approved and is currently being utilized on a facility-wide basis. The contractor's proposal was accepted and incorporated through a block change modification on January 16, 1997.
825	<b><u>Quality-General/Multiple Processes</u></b>	Sampling Plans: The contractor proposed the replacement of MIL-E-8970 and MIL-E-8596 with the contractor's approved ISO 9001 system. The contractor also requested the replacement of MIL-STD-105 and MIL-STD-414 with ANSI Z1.4. The contractor's proposed concept paper was approved and incorporated via block change modification on 12/3/96.
829	<b><u>Software</u></b>	Software Development: The contractor proposed the replacement of DOD-STD-2167A and DOD-STD-2168 with the contractor's software development process. The contractor's proposed concept paper was approved and incorporated via block change modification on May 28, 1997.
828	<b><u>Testing</u></b>	Non-Destructive Testing System Requirements: The contractor proposed the replacement of MIL-I-6870 and MIL-STD-410 with commercial industry standard ANST TC-1A. The contractors proposed concept paper was approved and incorporated via block change modification on 12/3/96.

## Allison Transmission Division, Indianapolis, IN

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330	<u><b>Quality-Non Conforming Material/MRB</b></u>	Nonconforming Material-Material Review Board (MRB): Replace MRB requirements with current company commercial procedures. The contractor's proposal was approved and incorporated via contract modification on 8/27/96.
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## AM General, Corp., South Bend, IN

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469	<b><u>Manufacturing- Painting/Coating</u></b>	Extended Service Program (ESP) Engine Paint: Replaces the engine color requirement (2 1/2 and 5 ton truck) from ATP-2174A (Paragraph 3.10.5) "...any dark color that is lusterless" with the standard commercial engine color (yellow). Concept paper approved and incorporated via modification 10/29/96.
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## Boeing ISDS, Aircraft and Missile Systems, Philadelphia, PA

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601	<b><u>Business-Direct Billing</u></b>	Direct Billing: Allows contract auditors to authorize direct submission of interim vouchers to disbursing offices upon approval of the contractor's billing system.
1450	<b><u>Business-Earned Value Mgmt System</u></b>	Proposes to replace C/SCSC with EVMS guidelines
1041	<b><u>Business-General</u></b>	Proposes to modify prime contracts to include FAR 52.244-6.
1047	<b><u>Business-General</u></b>	Proposes to streamline process for requesting DCMA/DCAA assistance of subcontract proposals by going direct to the cognizant DCMA office.
1051	<b><u>Business-Subcontracting</u></b>	Boeing proposes to standardize the subcontracting solicitation and purchase contract terms and conditions for all FFP purchases up to \$100,000.
1449	<b><u>Business-Subcontracting-Enabling</u></b>	Proposes to incorporate a special provision in all DoD and NASA prime contracts to allow Boeing to approve supplier SPIs that have been approved for prime contracts at the supplier's facility.
1894	<b><u>Engineering-Drawings</u></b>	Utilize an Alternates Document in lieu of individual drawing changes to effect changes associated with cancelled military specifications and environmentally regulated parts, materials, processes.
597	<b><u>Manufacturing-Electronic Fabrication</u></b>	Printed Wiring Boards: Converts 4 internal specs and MIL-P-55110 requirements to a single Printed Wiring Board manufacturing process.
1053	<b><u>Manufacturing-Management</u></b>	MIL-STD-1567A, Work Measurement to Common Boeing Work Measurement process
598	<b><u>Manufacturing-Soldering/Welding</u></b>	Common Soldering: Standardizes military and commercial approach to soldering using ANSI/J-STD-001 (soldering standard) to obtain common process.
425	<b><u>Quality System</u></b>	MIL-Q-9858A to ISO-9000 based Quality System.
1050	<b><u>Safety</u></b>	Proposes to replace MIL STD 980 with a Boeing Company Process.
1046	<b><u>Software</u></b>	SRR, PDR, & CDR Streamlining: Proposes to streamline the SRR, PDR and CDR processes and procedures to eliminate items that may be non-value-added. These may include the 60-day prior to event data submittals, formal chit documentation and close tolerance requirements on gate passage.

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964	<b><u>Business-CostDataReporting</u></b>	Cost Data Reporting: Ensure contractual requirements for CCDR reporting on contracts meet new guidelines address in DDCR policy memo dated 16 Jan 96.
1615	<b><u>Business-Direct Billing</u></b>	Requesting DCAA Audit Assistance: This initiative deals with requesting government assistance in evaluating subcontractors' pricing proposals. It allows the prime contractor to request audit assistance directly from a subcontractor's DCAA/DCMA instead of through the prime contractor's DCAA/DCMA. This initiative streamlines the audit process and allows the analyst to have direct access to the auditor, decreasing the time and effort required to process inquiries.
606	<b><u>Business-Direct Billing</u></b>	Defense Financial Accounting Service (DFAS) Direct Voucher Submission: Allows direct voucher submission to DFAS without approval by the Defense Contract Audit Agency (DCAA). Process conversion is based on DCAA recognition of the adequacy of Boeing Financial/Accounting systems for producing vouchers to their criteria (does not include first and final vouchers).
1198	<b><u>Business-Earned Value Mgmt System</u></b>	Single Earned Value Management System (EVMS). This SPI will replace the existing 35 DoD Cost/Schedule Control System Criteria with the 32 EVMS guidelines on all existing Boeing contracts via a block change.
912	<b><u>Business-General</u></b>	Commercial Terms on Purchase Contracts: Convert to commercial purchasing practices on all firm fixed price purchases of \$100,000 or less. By obtaining customer agreement to define those purchases as "commercial," FAR 52.244-6 will allow simplified commercial purchase contract terms. Boeing made this SPI proposal into two separate proposals to a.) Address FAR 52.244-6 as a block change, and b.) Address commerciality as a separate issue. This approach created a new SPI called Standard Terms on Small Purchases (SPI-S-010).
1614	<b><u>Business-Subcontracting</u></b>	Subcontractor SPI Recognition (Enabling Provision): This initiative allows a prime contractor to approve a subcontractor's SPI if it has previously been approved by the DoD on the subcontractor's prime contracts, saving time in implementing the SPI. Upon approval, only the subcontract needs to be modified; no modification of the prime contract is required.
969	<b><u>Business-Subcontracting</u></b>	Standard Term on Small Purchases: Authorizes Boeing to execute all firm fixed price purchase contracts for the procurement of materials and services up to \$100,000 using a standard set of contract terms based on FAR and best commercial practices.
1194	<b><u>Business-Subcontracting</u></b>	Customer Service General Terms Agreement: Recent legislation set the stage by revising and simplifying the procurement process for commercial items. A Boeing and DCM Boeing-Seattle team worked a solution to make commercial item acquisition a reality. The team examined the Customer Services Material Support catalog and made a "predetermination" agreement which recognized the items and services in the CSMS as eligible commercial items. The significant result of this block change is the improvement in cycle time and significant cost avoidance



		should be realized because the predetermination agreement will eliminate the government need to analyze and document eligibility on each individual transaction.
972	<b><u>Engineering-Configuration Mgmt</u></b>	Configuration Management - Microfilming: Replaces MIL-C-9949 Copy Cards, MIL-C-9968 Microfilming, MIL-STD-155 Joint Photographic Type Design System, and MIL-STD-804 Formats and Coding with the use of the Boeing internal system for data retention.
605	<b><u>Engineering-Configuration Mgmt</u></b>	Substitution Document: Allows parts, materials and process changes to be made at the highest drawing level through use of a "Substitution Document". Once implemented, changes to lower tier drawings would not be required. This document will not affect program unique substitution documents.
2055	<b><u>Engineering-Drawings</u></b>	Boeing proposed simplified drawing process to be used on future contracts. The new process provides for 3-D drawings in lieu of 2-D drawings.
604	<b><u>Logistics-Parts/Material Mgmt</u></b>	Parts Control for Electronic Equipment: Replaces the requirement to implement parts control using MIL-STD-965B with a single internal Boeing process. Approach utilizes Boeing Commercial Airplane Group parts control practices for a uniform approach for The Boeing Company.
602	<b><u>Manufacturing-Electronic Fabrication</u></b>	Manufacturing of Rigid Printed Wiring Boards: Replaces the requirement for producing military printed wiring boards to MIL-P-55110. Involves a single manufacturing process for producing printed wiring boards based on best commercial practices.
971	<b><u>Manufacturing-Management</u></b>	Work/Process Measurement – Replaces the requirement to perform activities per MIL-STD-1567A with a cost-effective single Boeing process.
1196	<b><u>Manufacturing-Soldering/Welding</u></b>	Structural Aluminum Welding – This SPI will replace the requirement to perform structural welding of aluminum alloys per canceled MIL-STD 372A, and MIL-STD 2219 with a single process.
603	<b><u>Manufacturing-Soldering/Welding</u></b>	Printed Wiring Assemblies: Replaces multiple military specifications for soldering of electronics with a set of solder process and hardware requirements based on industry standard ANSI/J-STD-001.
409	<b><u>Quality System</u></b>	Boeing Quality System: Converts the Quality requirements from the use of a suite of Specifications and Standards (MIL-Q-9858, "Quality Program Requirements" and related others) to exclusive use of the Boeing Quality System. The Boeing Quality System is based on the criteria of ISO 9000 with the appropriate level of the standard utilized at the different Boeing facilities nationwide.
1032	<b><u>Safety</u></b>	Foreign Object Damage – This project will create a foreign object damage process that will be maintained and controlled by Boeing. The process replaces MIL-STD-980.
1031	<b><u>Safety</u></b>	Aircraft Ground and Flight Safety – This effort will delete Appendix C from contracts as a compliance document and use AFR 55-22 (DLAM-8210.1) as the single compliance document for ground and flight operations of specific aircraft.
965	<b><u>Software</u></b>	Software Engineering – Replaces multiple government standards covering software development process and management requirements with the Boeing process for development of embedded software systems.

## EFW, Inc., Ft. Worth, TX

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2132	<b><u>Business-General</u></b>	Incorporation of an "Enabling Clause" which will allow the contractor to substitute a previously approved subcontractor or sister company SPI for an inconsistent prime contract requirement and still remain in compliance with the prime contract.
1081	<b><u>Manufacturing-Soldering/Welding</u></b>	Soldering: Changes the soldering requirements from MIL-STD-454 and MIL-STD-2000A to an EFW Inc. process based on the requirements of ANSI/J-STD-001.
440	<b><u>Quality-General/Multiple Processes</u></b>	Quality System: Changes the quality requirements from MIL-Q-9858, MIL-I-45208, MIL-STD-1520, MIL-STD-1535, and MIL-STD-45662 to the EFW Inc. Quality System which is based on and certified as meeting ISO 9001. These changes were agreed to and all contracts with the US Government were changed on 31 October 1996.

## General Dynamics Land Systems Army Tank Plant, Lima, OH

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1757	<b><u>Business-General</u></b>	To replace a manual method of recording tank part serial numbers with an automated process using bar coding technology for both contractor-furnished and government-furnished parts.
1657	<b><u>Business-General</u></b>	Streamline motor vehicle licensing criteria for U.S. Government Motor Vehicle Operator's Identification Card and physical exam requirements to meet commercial practices.
1609	<b><u>Business-Gov't Property</u></b>	Provide a single process for the inventory of GFM (government furnished material) by utilizing proven contractor techniques for assuring inventory accuracy and reporting on-hand inventory levels to the customer on a weekly basis.
1345	<b><u>Engineering-Configuration Mgmt</u></b>	Streamline administrative responsibilities relative to Lima facility data item (CDRL) submission schedules, content and frequencies to align the official data item requirements with current business practices.
1343	<b><u>Quality-Calibration</u></b>	Eliminate unnecessary initial calibration of perishable, off-the-shelf Measurement and Test Equipment (MTE) such as rulers, tape measures, combination squares, feeler gauges, telescoping gauges, etc.
1638	<b><u>Quality-Inspection</u></b>	Replace alcohol-based aerosol developer with a dry developer using Type II (visible dye penetrant) for inspection of welds of nonferromagnetic metals, particularly titanium.

## General Dynamics Land Systems, Warren, MI; Scranton, PA

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744	<b><u>Business-General</u></b>	Limited and reduced government oversight of Technical Data Package control and management.
651	<b><u>Business-Gov't Property</u></b>	In lieu of submitting paper reports, DID reporting requirements will be made available to the government.
631	<b><u>Business-Gov't Property</u></b>	Each facility has had unique security requirements. The new approach is to standardize security operations into a single process based on the proven best commercial practices and implement at all locations which include contractor owned and leased facilities as well as GOCO facilities.
632	<b><u>Engineering-Configuration Mgmt</u></b>	The Abrams STS contract currently includes 103 data items. It is recommended that 54 data items be eliminated, 8 items have their frequency of reporting reduced, 2 data items be changed to contractor format, and 5 data items be changed to electronic delivery from paper delivery.
650	<b><u>Environmental-SPI</u></b>	Wherever possible, eliminate unique reporting requirements and standardize language and reporting requirements based on Presidential Executive Order 12856.
1579	<b><u>Logistics-Parts/Material Mgmt</u></b>	Adopt MRB process as reflected in the Phase II Abrams Upgrade Tank (AUT) performance based multi-year contract for the entire tank production line at Lima, Sccranton, Tallahassee and Muskegon plants.
635	<b><u>Quality-Inspection</u></b>	GDLS supplier quality practices have evolved into the proactive management of production purchased material acquisition. This has resulted in the elimination of receiving inspection and the consolidation of source inspection based on statistical data derived from quality evaluations.
649	<b><u>Testing</u></b>	Standardize subsequent First Article Tests requirements upon experience based requirements.
634	<b><u>Testing</u></b>	Instituting an IPT with full Government participation will eliminate the need for separate and sequential concurrence of incident report closeouts, test report approvals and change in test scope. The need for detailed monthly summary status reports of ongoing testing and monthly program reviews will be eliminated.

## Hughes Danbury Optical Systems (HDOS), Danbury, CT

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710	<b><u>Quality-Calibration</u></b>	HDOS Calibration System: Replaces the quality requirements from the use of Military Standard MIL-STD-45662A with a calibration system based upon the ANSI/NCSL Z540-1-1994, American National Standard for Calibration. The use of the ANSI/NCSL Standard also fulfills the ISO 9001 Quality Management System Requirements as defined in Element 4.11, Control of Inspection, Measuring and Test Equipment.
444	<b><u>Quality-General/Multiple Processes</u></b>	HDOS Quality System: Converts the quality requirements from the use of a myriad of military and NASA Specs and Standards (i.e., MIL-Q, Quality Program Requirements, MIL-I, Quality Inspection Program, NHB-5300, NASA Quality Program Requirements, etc.) to a single quality management system based upon the ISO 9001 Quality System Model for use in design, development, production, installation and servicing. The HDOS Quality Management System is a single process initiative, which can be tailored to fit the needs of each program type, such as deliverable or non-deliverable conceptual, breadboard, dem-val, flight, production or test hardware/software/equipment.

## Hughes Space & Communications Company (HSC), El Segundo, CA

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1566	<b><u>Business-General</u></b>	HSC submits its SPI block change proposal for streamlining the CPSRs. This streamlining is accomplished by utilizing PROCAS Materiel Operations performance metrics to satisfy CPSR criteria as mandated by FAR Part 44.3.
554	<b><u>Quality-Calibration</u></b>	HSC submits this single process initiative proposal to accommodate the DOD canceling of MIL-STD-45662A. This MIL-STD was the basis for defining metrology and equipment requirements for the DOD. As a replacement, the DOD has approved use of the international commercial standards and industry standard ANSI/NCSL Z540-1-1994 for future DOD procurements. The new industry standard is more comprehensive than the prior MIL-STD and exceeds ISO-9000 requirements. Consistent with DOD SPI guidelines, HSC proposes a block change be implemented to delete contract references to MIL-STD-45662A and substitute ANCI/NCSL Z540-1-1994 on contracts referenced herein.
420	<b><u>Quality-General/Multiple Processes</u></b>	HSC Quality Management System: The contractor's ANSI/ASQC 9001 Quality System/Program replaced the military based system under MIL-Q-9858A Quality Program Requirements, MIL-STD-1520 Corrective Action and Disposition for Non-conforming Material, and MIL-STD-1535 Supplier Quality Assurance Program Requirements.
1565	<b><u>Testing</u></b>	HSC submits this single process initiative concept paper for a common parts, materials and processes control system based on Section 5 of HSC Document PP80277-H00-001, Space Segment Product Assurance Plan, in lieu of the requirements specified by the following military specifications and their related referenced documents: MIL-STD 1546 - Parts, Materials, and Processes Control Program for Space and Launch Vehicles and, MIL-STD-1547 - Electronic Parts, Materials, and Processes for Space and Launch Vehicles. The proposed single process governance is HSC document PP80277-H00-001, Space Segment Product Assurance Plan, Section 5 - Parts, Materials and Processes Control. This proposed "contractual" document is supported by company "how-to" process documentation. The restructuring of the documentation to specify "what" is required in the contractual document, but specify "how-to" in company documents, is consistent with acquisition reform guidelines developed by government-industry consortium and adopted by the DOD.

## ITT Aerospace/Communications Division, Fort Wayne, IN

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1475	<b><u>Engineering-Drawings</u></b>	The contractor proposes that the Commercial Parts Substitution Index (CPSI) as defined in ITT A/CD Policy and Standard Procedure (PSP) 606 replace the requirements for drawing control of Commercial "Off the Shelf" parts, as required through DI-DRPR-81000, Product Drawings and Associated Lists for NSA contracts and CDRL C001 0043AA for SINCGARS.
1871	<b><u>Manufacturing-Soldering/Welding</u></b>	The contractor proposes the replacement of MIL STD-2000A, MIL STD-454, and relevant sections of MIL-C-28809, MIL-P-11268, and NSA No. 91-15 with IPC-610 and ANSI J-001.
757	<b><u>Manufacturing-Soldering/Welding</u></b>	No-Clean Flux Soldering Process: Replace all (various) Government-unique requirements for the removal of soldering flux on numerous circuit assemblies utilized in various programs, contracts, and subcontracts, with the contractor's latest commercial procedure (No-clean Flux Soldering Process). It should be noted that intangible benefit from the adoption of this proposal would be a sizable reduction in the amount of pollutants (air-borne and liquid) and hazardous chemicals that are used in the current process. The Block Change modification incorporating the contractor's proposed change was executed on December 17, 1996.
2149	<b><u>Manufacturing-Wiring</u></b>	The contractor has proposed the replacement of NHB 5300.4 (3G) and MEP 8015 (both applicable to NASA contracts only) with ITT's internal Crimp, Cabling and Harnessing Certification Process.
305	<b><u>Quality-General/Multiple Processes</u></b>	Quality Assurance Requirements: Replace applicable contractual Quality Assurance Requirements (MIL-Q-9858A, NASA Higher Level Quality Assurance Requirement, and others) with ISO-9001. Block Change modification incorporating the change into all contracts (less NASA) was signed on August 21, 1996.
701	<b><u>Quality-Non Conforming Material/MRB</u></b>	Replacement of MIL-STD-1520 with Commercial Procedures: Replace MIL-STD-1520, Supplier Quality Assurance Program Requirements, in three NSA prime contracts and one subcontract, with the revised procedures currently approved for DoD contracts, which are more closely aligned with the contractor's commercial practices. A Block Change modification incorporating the change was signed on January 16, 1997.
702	<b><u>Quality-Supplier</u></b>	Replace Certified Supplier Program with Commercial Procedures: Replace the Government-unique "Certified Supplier Program," required in three NSA prime contracts, with their commercial procedure (Dock-To-Stock), currently approved for DoD contracts. The Block Change modification incorporating the change was signed on January 16, 1997.
700	<b><u>Quality-Supplier</u></b>	Replacement of MIL-STD-1535 with Commercial Procedures: Replace the Government-unique MIL-STD-1535, Supplier Quality Assurance Program Requirements, in three NSA prime contracts and one subcontract, with the contractor's approved and registered ISO-9001 Quality System. A Block Change modification incorporating the change was signed on January 16, 1997.

## Lockheed Martin Aeronautics Company, Ft. Worth, TX

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581	<b><u>Business-Direct Billing</u></b>	Direct Invoicing (billing) to DFAS (SPBC 96-017): Provides a simplified billing process for selected contracts direct to the Defense Financial Accounting Service. Eliminates need for detailed local DCAA review - an unnecessary process. (Submitted/Approved August 18, 1996, Contract Mod Complete Sept. 10, 1996) Rick Venteicher, Phone: 817-777-3614
1675	<b><u>Business-Earned Value Mgmt System</u></b>	This initiative will ensure that all contracts at this facility have the same criteria for executing the earned value management system. Currently, existing contract reference an older Cost/ Schedule Control System (C/SCS) while new and future contracts use the Earned Value Management System.
1674	<b><u>Business-FARA/FASA</u></b>	This initiative incorporates the provisions of the Federal Acquisition Reform Act of 1996 into existing contracts. The largest effect at LMTAS will be the procurement integrity certification process. While still remaining compliant with all statutory guidance, the requirement to physically sign a certification and to have subcontractors to do so will be relieved.
976	<b><u>Business-FARA/FASA</u></b>	Federal Acquisition Streamlining Act Implementation Process (SPBC 96-022): FASA simplifies procurement generally, and in particular, relieves U.S. Government prime contractors and their supplies from certain regulatory requirements when commercial items are being procured for the Government. A recent interim rule published by the FAR Council "encourages" Government Contracting Officers to modify existing U. S. Government prime contracts to incorporate these changes in the FAR. In order to reduce confusion occasioned by administering prime and subcontracts, some of which contain FASA clauses, and many of which do not -- as well as more broadly take advantage of the FASA relief, LMTAS, in combination with other Aeronautics Sector companies, will request that all of its prime contracts be modified to incorporate the FASA changes. (Submitted Nov 21, 1996, Approved January 17, 1997, Contract Mod Executed March 10, 1997) Michael Cain, Phone 817-777-6993
1961	<b><u>Business-General</u></b>	This modification does not change any contractual requirements that will warrant any increase or decrease in contract price, change of delivery schedule, or change in the period of performance. In lieu of obtaining individual written certificates from the subcontractors, AMMC will include in the body of each non-exempt subcontract solicitation and purchase order certifications that cover the substance of FAR 52.203-11, 52.209-6, 52.223-1 and 52.223-14.
357	<b><u>Business-General</u></b>	Interchangeability/Replaceability Process (SPBC 96-003): This company standard process replaces the Government I/R requirements of MIL-I-8500. The process eliminates specific government language on what air vehicle parts must be I/R. Part commitment to I/R will be based upon specific aircraft needs and performance requirements. Government specifications of how to administer the I/R program are replaced by internal company procedures with government insight to the process. The process also recognizes certain conditions that will allow Material Review Board authority to perform minor rework to some structural Interchangeable parts.



		All changes will reduce man-hours, schedule and costs. (Submitted June 18, 1996, Approved/Mod Complete Sept. 10, 1996) Rich Splivalo, Phone: 817-777-1330
1598	<b><u>Business-General</u></b>	Acceptance of DSIC Replacement Standards (ADRS) (SPBC 97-011): LMTAS proposes a simplified SPI handling process for acceptance of replacement standards recognized as universally acceptable industry-wide replacements for canceled MIL-SPECs and MIL-STDs. The Defense Standards Improvement Council (DSIC) periodically publishes lists of canceled specs and, where available, recommended commercial replacements. LMTAS will review such notices and prepare a list of acceptable replacements for JMC review. Those also deemed acceptable by the JMC will be incorporated via a single contract mod with a table of canceled specs and corresponding replacements, thus avoiding the cost of individual Concept Papers for each replacement. (Submitted October 10, 1997), Pete Harrell (817) 763-2038 or Chuck Burke (817) 777-4870
1153	<b><u>Business-General</u></b>	LMTAS Data Management Process (SPBC 96-019): Replace contractual F-16 Data Management Plan (16PP183) with current Data Management Process (CBM 7003). Replace canceled MIL-STD-1806 secondary marking instructions with company marking instructions. Replace current hard copy CDRL deliveries with either customer access to electronic data file or delivery of digital media. Reduces manpower, schedule and cost. (Submitted April 3, 1997, Contract Mod Complete July 9, 1997) Pam Stanfield, Phone: 817-777-4845
1960	<b><u>Business-General</u></b>	Pursuant to SPBC 97-011, Acceptance of DSIC Replacement Standards (ADRS) permits LMTAS to submit and recommend replacement of military specifications and standards with DSIC recommended standards. Current Requirement Contained: MIL-C-83286, MIL-E-16053, MIL-R-5031, MIL-S-18729, 5059, 8844, MIL-A-8897A, MIL-P-83335, MIL-STD-1379, 1388-2B, 470, and 143.
975	<b><u>Business-General</u></b>	Order of Precedence Clause (SPBC 96-021): This incorporates a special contract provision which establishes that Government-approved, LMTAS SPI processes are the contract requirements, unless the USG expressly states otherwise. (Submitted December 2, 1996, Approved January 17, 1997, Contract Mod Executed March 10, 1997) Michael Cain, Phone 817-777-6993
1962	<b><u>Business-General</u></b>	Develop and implement a single streamlined set of TDP requirements. Approach will focus on 2-dimensional drawings and associated lists. Process will emphasize technical content and usability.
1963	<b><u>Business-General</u></b>	Proposal to utilize a single process for delivering/accessing digital TDP data from LMTAS to the government. This process will facilitate migration to new technologies.
1959	<b><u>Business-General</u></b>	Pursuant to SPBC 97-011, Acceptance of DSIC Replacement Standards (ADRS) permits LMTAS to submit and recommend replacement of military specifications and standards with DSIC recommended standards.
2200	<b><u>Business-Gov't Property</u></b>	The contractor is relieved of all contractual requirements for preparation and submittal of DD Form 610s. This relief is to the benefit of both the contractor and the government.
1597	<b><u>Business-Reps &amp; Certs</u></b>	LMTAS Common Certification Process (SPBC 97-010): (Simplified Method of Obtaining Employment Opportunity Certifications for Subcontractors) Certain clauses in FAR Section 52 require that Government Contractors and Subcontractors provide certifications in accordance with applicable statutes. The statutes do not specify the format of the required certifications. It has been past practice in the Aeronautics Material Management Center (AMMC) to obtain certificates on an annual basis from affected subcontractors and suppliers. The intent of the applicable statutes can be satisfied with alternative methods while providing an opportunity for reduced administrative costs. LMTAS proposes to obtain deemed certifications in lieu of annual certificates. Language containing the required certifications will be inserted in all LMTAS Requests for Proposal (RFP) documents and in all Purchase Orders. The subcontractor or supplier will be deemed to have certified and accepted the clauses when he submits a proposal or executes a Purchase Order. The legal effect of the Deemed Certification does not in any way degrade or limit the remedies available for violations of the applicable

		statutes. The administrative costs associated with mailing, receiving, and tracking annual certificates will be reduced under the alternative method. (Submitted 10 Oct 97) Don Wheat, Phone 817-762-1124 or Chuck Burke, Phone 817-777-4870
2065	<b><u>Business-Subcontracting-ACO Consent</u></b>	Change in Subcontract Advanced Notification and Consent Requirements (SPBC 99-001) -- Delete existing Subcontracts clause and substituting the new Subcontracts clause at FAR 52.244-2 Subcontracts (Aug 1998).
977	<b><u>Business-Subcontracting-Enabling</u></b>	Subcontractor SPI Enabling Provision (SPBC 96-023): Inserts a Special Provision into current prime contracts to enable authorization of subcontractors' requests for concurrence with their authorized SPI processes. If LMTAS deems the subcontractor's process to be an adequate replacement for a MILSPEC/STD, then LMTAS may authorize the subcontractor to use the process on subcontract work from LMTAS, and LMTAS will be relieved of any flow-down requirements relative to the replaced standard or specification. In addition, the subcontractor's process will be deemed compliant with LMTAS' prime contract requirements. A parallel provision will be incorporated to provide for concurrence with authorized SPI processes at sister companies. (Submitted December 18, 1996, Approved January 17, 1997, Contract Mod Executed March 13, 1997) Chuck Burke, Phone 817-777-4870; Michael Cain, Phone 817-777-6993
534	<b><u>Engineering-Configuration Mgmt</u></b>	Configuration Management; Class II Change Simplification (SPBC 96-008): Replaces 100 percent review of all LMTAS Class II Change Proposals with a random sample of the changes. Government has insight into the results of the sampling. Results in cost savings on the part of LMTAS and cost avoidance by the Government. (Submitted August 5, 1996, Approved/Mod Complete Sept. 10, 1996) Mitch Kaarlela, Phone: 817-777-0007
1958	<b><u>Engineering-Configuration Mgmt</u></b>	Under this concept LMTAS will be responsible for revising the CM Command Media to reflect both the 50-CM principles given in ANSI/EIA-649 and the clauses contained in ISO 10007. The common CM process description will incorporate SPBC 96-001, 96-008, and 96-019.
2002	<b><u>Engineering-General</u></b>	Develop a single process for ESD damage prevention. Allow for cost efficient decisions with regard to design requirements, handling and packaging requirements, program plan creation and submittal relative to protection of electrostatic sensitive devices.
2064	<b><u>Engineering-General</u></b>	MIL-STD-464 is the foundation for this process because it is performance based.
2105	<b><u>Logistics-General</u></b>	Deletes requirement for AFMC Form 874 Signature Concurrence to field TCTOs.
543	<b><u>Logistics-Packaging</u></b>	LMTAS Standard Packaging Process (SPBC 96-006): LMTAS developed and implemented a company process for preservation, packaging, packing unitization and marking for supplies and equipment for both immediate use and long term storage. It includes the utilization of commercial grade packaging materials resulting in cost savings. In addition it simplifies training of employees on future programs, surveillance of methods and improves speed of packaging operations. This process has replaced MIL-STD-2073 and MIL-P-116. (Submitted August 22, 1996, Mod Complete December 2, 1996, System Fully Implemented June 3, 1997) Lynn Grube, Phone: 817-777-4549
987	<b><u>Logistics-Parts/Material Mgmt</u></b>	Parts Control Program Process (Replaces MIL-STD-965) (SPBC 97-001): A LMTAS company process that focuses on the standardization of a limited number of part types replaces processes previously called out in canceled military specifications. Cost reductions will be realized by reducing the part types considered for standardization, reducing the numbers of Specification Control Drawings prepared for parts, and reducing part approval request submittals. (Submitted January 17, 1997, Approved April 15, 1997, Contract Mod executed May 13, 1997) Mark Hudgens, Phone: 817-777-5632
544	<b><u>Manufacturing-Management</u></b>	Work Measurement Process (MIL-STD 1567A) (SPBC 96-009): LMTAS replaced the deleted process with a company process that retains the capability to gather and analyze pertinent data. The system will continue to provide direct labor performance at all levels in the factory with data still available for estimating, manpower forecasting, schedule development, and budget distribution. Certain reporting requirements and constraints have been eliminated, resulting in a

		reduction in costs. (Submitted August 22, 1996, Mod Complete December 2, 1996) Brian Tyree, Phone: 817-777-7519
1374	<b><u>Manufacturing-Soldering/Welding</u></b>	LMTAS Soldering Process (SPBC 97-009): A singular LMTAS soldering process for Soldered Electrical and Electronic Assemblies, using ANSI/J-STD-001 Rev B, Class 3, will be adopted. It will replace the current process that is based on MIL-STD-2000A, contractually required for existing programs but canceled via the Perry initiative in 1994. A LMTAS Application Plan will be used for implementation; and the IPC-A-610 Class 3 Workmanship Standard, which illustrates the J-STD-001 acceptability criteria, will replace the outdated Workmanship Standard currently used by LMTAS. This proposed single process will enable LMTAS to perform (e.g., solder, train, inspect, coordinate, document, etc.) soldering more efficiently and consistently, without adhering to requirements imposed by a canceled Military Specification. (Submitted June 26, Approved August 19, Contract Mod Executed October 8, 1997) Gary Shoemaker, Phone 817-777-3993
3	<b><u>Quality System</u></b>	ISO 9001/Common Quality Process (SPBC 96-002): LMTAS replaced deleted Government Quality System requirements, such as MIL-Q-9858A, with a company quality process based upon certification to ISO 9001, an internationally recognized quality standard. Third party certification occurred May 3, 1996. (Approved April 25, 1996, Mod Complete May 21, 1996) Larry Beck, Phone: 817-777-6510
2001	<b><u>Safety</u></b>	Develop and implement new System Safety requirement documents as a replacement to MIL-STD-882. There are no commercial equivalent standards to MIL-STD-882.
1152	<b><u>Safety</u></b>	LMTAS Common FOD Prevention Process (SPBC 97-005): The LMTAS FOD Prevention Process replaces MIL-STD-980. The new process is a combination of the existing F-16 and F-22 FOD prevention systems and tailored after the National Aerospace FOD Prevention Guideline. This results in one governing document with supporting internal procedures adaptable for military or commercial contracts. This streamlined process meets the FOD performance requirements of the Government, with earlier redundancies and non-value-added tasks eliminated. This good business practice is a natural progression for LMTAS, which will not only enhance competitiveness, but also provide long term savings on current and future contracts. (Submitted March 11, 1997, Contract Mod Complete July 9, 1997) Elaine Eri, Phone 817-763-3854
16	<b><u>Software</u></b>	Single Software Process (SPBC 96-001): LMTAS implemented a company process, based on CBM-4004, for development, testing, delivery, and support of software products. The LMTAS process replaced DOD-STD-2167 and related standards. The new standard replaces formal reviews with continuous insight via contractor on-line data, and reduces CDRL requirements. (Approved May 17, 1996, Mod Complete May 31, 1996) Richard Berryman, Phone: 817-763-3379
1373	<b><u>Testing</u></b>	Non-destructive Inspection Process (SPBC 97-007): LMTAS will develop and implement a company process which will establish a non-destructive inspection (NDI) program in which training and certification of inspection personnel will be included. The LMTAS process will replace MIL-I-6870 and MIL-STD-410. The process replaces formal reviews with continuous insight via contractor on-line data, reduces CDRL requirements, and streamline training and certification of inspection personnel. (Submitted June 26, Approved August 19, Contract Mod Executed 8 Oct 97) Mike Polley, Phone: 817-777-2725

## Lockheed Martin Aeronutronic, Santa Margarita, CA

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337	<u><b>Quality- General/Multiple Processes</b></u>	LMA Quality System: Converts quality system requirements from MIL-STD 9858A (including MIL-I 45208, MIL-STD 1520C and MIL-STD 1535) to meet the criteria of ISO 9001. In addition, the requirements of MIL-STD-45662 (Calibration) were converted to ISO 10012-1 criteria.
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1587	<b><u>Business-</u></b> <b><u>Subcontracting</u></b>	The contractor has is proposing replacing various military requirements with approved SPI initiatives at subcontractor facilities as applicable.
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## Lockheed Martin Electronics and Missiles (LME&M), Orlando, FL

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2084	<b><u>Business-CostDataReporting</u></b>	Per direction of OSD Program Analysis & Evaluation Office, contractors will be required to submit contractually required Cost Data Reports to OSD in electronic media using Government software package. Program Offices will access data from a Central Repository System maintained by OSD. This paper implements this EC strategy.
512	<b><u>Business-CostDataReporting</u></b>	Cost Reporting Process: Streamlines Contractor Cost Data Reporting (CCDR) process by reducing the reporting frequency.
1654	<b><u>Business-Earned Value Mgmt System</u></b>	EVMS will be used as a replacement for DOD C/SCSC System on all applicable active contracts with DFAR Clauses 252.234.7001 and 252.242-7005.
2152	<b><u>Business-General</u></b>	The concept paper represents a Corporate-wide SPI adopted by the LHM Corporate Management Council. Concept proposes to achieve standardized processes across the entire corporation and supplier base.
511	<b><u>Business-Small Disadvantaged</u></b>	Eliminate DD Form 1921-3, MIL-S-2000/-45743, Public Law 95-507, FAR 19.704(a)(4), FAR 19.708(b)(1), FAR 52.219-9 requirements for obtaining SADBUS plans and reports from subcontractors.
1795	<b><u>Business-Subcontracting</u></b>	SPI implements a Department of Labor Class Deviation raising threshold for the subcontract EEO preaward clearance from \$1 million or more to \$10 million or more. Class deviation was not retroactive but Department of Labor will not process clearances under \$10 million.
1061	<b><u>Business-Subcontracting-Enabling</u></b>	Prime/Subcontractor Flow Down Requirements, Subcontractor SPI Enabling Provision.
190	<b><u>Engineering-Configuration Mgmt</u></b>	Configuration Audits: Authorizes performance of Configuration Audits and Design Reviews in contractor format replacing MIL-STD-1521 and/or AR-70-37.
192	<b><u>Engineering-Configuration Mgmt</u></b>	Technical Data Packages: Contractor's internal system for technical documentation replaces multiple Military specifications and standards (MIL-STD-100(E), MIL-S-129, MIL-S-130, MIL-S-1285).
189	<b><u>Engineering-Configuration Mgmt</u></b>	Specification Preparation: Program specifications will be prepared in contractor format for each program that has MIL-STD-490 and/or MIL-STD-83490 identified in the contract.
2151	<b><u>Engineering-General</u></b>	This concept paper represents a Corporate-wide SPI Concept Paper adopted by the LHM Corporate Management Council. Concept Paper intends to streamline the procedure for removing and replacing cancelled technical specifications based on DSIC decisions.
1155	<b><u>Logistics-Parts/Material Mgmt</u></b>	Replace MIL-STD-965 with Parts Management Best Practices.
2066	<b><u>Manufacturing-Electronic Fabrication</u></b>	Contractor proposes to replace cancelled DoD specifications with industry specifications.
961	<b><u>Manufacturing-Electronic</u></b>	Printed Wiring Board Fabrication: Replace MIL-P-55110 and MIL-P-50884 with MIL-PRF-31032.

	<b><u>Fabrication</u></b>	
1748	<b><u>Manufacturing-ESD Protection</u></b>	KTR requesting replacement of all versions of MIL-STD-1686 on existing contracts with internally developed Company Standard that melds key parts of MIL-STD-1686 and EIA-625.
1749	<b><u>Manufacturing-Painting/Coating</u></b>	KTR proposes to replace several specification requirements for application of protective organic coatings (at least 7) with an internally developed company standard that incorporates requirements of MIL-F-18264 for application of non-CARC material and MIL-C-53072 for application of CARC.
1100	<b><u>Manufacturing-Painting/Coating</u></b>	Replace MIL-C-48168 Single Part Paint with MIL-C-53039 Chemical Agent Resistant Coating.
546	<b><u>Manufacturing-Soldering/Welding</u></b>	Soldering Process: Electronics & Missile's Common Soldering Process and Control Plan, replaces MIL-STD-2000, -2000A, MIL-S-45743, MIL-P-46843, MIL-STD-454 Requirement 5, MIL-P-28809, and MIS-28529.
58	<b><u>Quality System</u></b>	Quality System: Contractor's ISO 9001 Quality System/Program replaces Quality requirements from multiple specifications and standards (MIL-Q-9858 and other related documents).
227	<b><u>Quality-Calibration</u></b>	Calibration System: Electronics & Missiles Quality System in accordance with ISO 9001 and ISO 10012-1 replaces MIL-STD-45662, MIL-STD-45662(A) and ANSI/NCSL Z540-1.
960	<b><u>Quality-Inspection</u></b>	Replace MIL-STD-105, Quality Inspection Procedures, with ANSI/ASQC Z1.4-1993 Sampling Procedures.
2076	<b><u>Software</u></b>	Replace MIL-S-480, 490, 498, 499, 1521, 1815 and DOD-S-2167A and 2168 with an internal system defined in its Engineering Practices Manual, Software (EPM-S) which meets Capability Maturity Model Level 3 certification requirements and complies with ISO 9001 (TICK-IT).

## Lockheed Martin Fairchild Defense Systems, Yonkers, NY

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1709	<b><u>Engineering- Management</u></b>	The contractor would be allowed to use a "White Paper" format using the block titles from the ECP, Deviation or Waiver forms as headings for sections within the document. These would clearly identify the material to be covered in the section below that title. Also, all data relating to that particular segment of the proposal would be presented in one location, eliminating the need to move from one place in the proposal document to another. This too would eliminate the need for filling in unused blocks as the data would not be presented. In addition, the data contained in the contractor format document would facilitate completion of a section by continuous text.
756	<b><u>Software</u></b>	Software Development: Permits the use of a single Software Quality Program plan and a single Software Development plan for all contracts by using MIL-STD-498 in place of DoD-STD-2167 and DoD-STD-2168. Also modifies CDRL to allow magnetic media to contractor format using Computer Assisted Software Engineering (CASE) tools for data delivery.



## Lockheed Martin Government Electronic Systems, Moorestown, NJ

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2004	<b><u>Business-CostDataReporting</u></b>	Implementation of Block change to replace CPR Format DID DI-F-6000 A-C with DI-MGMT 81466. Purpose is to revise current DOD contracts listed in Attachment A to delete all references to existing 6000with 81466.
656	<b><u>Business-General</u></b>	Eliminate the FAR 31.205-18(c)(2)(ii) IR&D/B&P reporting requirement
410	<b><u>Business-Gov't Property</u></b>	Increase dollar value threshold for the maintenance of government property records.
412	<b><u>Business-Gov't Property</u></b>	Process provides for the direct disposition of Government Property in scrap condition using the contractor's scrap disposition procedures.
411	<b><u>Business-Gov't Property</u></b>	Increase dollar threshold for the management of government property from \$200 to \$1500.
474	<b><u>Business-Patent Reporting</u></b>	Consolidate Interim Patent Reporting
658	<b><u>Engineering-Configuration Mgmt</u></b>	Replace government format for Quarterly Defect Summary Reports Contract Data Item with contractor format.
1990	<b><u>Manufacturing-Electronic Fabrication</u></b>	LMGES shall institute, implement and maintain the requirement for printed wiring board laminate material and process in accordance with IPC-4101 and IPC-L-125A. The Contractor and Government agree that IPC-4101 and IPC-L-125A replaces MIL-P-13949 requirements contained in all contracts referenced in this agreement.
902	<b><u>Manufacturing-Painting/Coating</u></b>	Use commercial paints in lieu of MIL-E-15090, Alkyd Enamel paint, and TT-P-1757A, Zinc Chromate primer.
1423	<b><u>Manufacturing-Soldering/Welding</u></b>	Process will replace current soldering inspection requirements under MIL-STD-2000A with the industry standard ANSI/J-STD-001B as tailored by internal contractor document SP 1201.
415	<b><u>Quality System</u></b>	Replace MIL-Q-9858A with ISO-9000 based Quality System
1376	<b><u>Quality-Calibration</u></b>	Replaces MIL-STD-45662, Military Standard Calibration System Requirements with Industry Standard ANSI/NCSL Z540-1-1994 on all existing contracts.
1261	<b><u>Quality-Inspection</u></b>	Replace MIL-STD-105, Quality Inspections, with ANSI/ASQC Z1.4-1993 based Quality Inspection Sampling

## Lockheed Martin Naval Electronics & Surveillance Systems - Syracuse, NY

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992	<b><u>Engineering- Configuration Mgmt</u></b>	Configuration Management: The OR&SS process for Configuration Management which conforms to ANSI/ISO/ ASQC Q10007 criteria replaces MIL-STD-105E, MIL-STD-973, DOD/MIL-STD-480, MIL-STD-481, MIL-STD-482, MIL-STD-483, MIL-STD-490, MIL-STD-804, MIL-STD-1521, MIL-STD-17655, and MIL-T-31000 on all applicable contracts.
1867	<b><u>Logistics-Packaging</u></b>	MIL-STD-2073/1C replaces MIL-STD-2073 on all contracts. In addition, paragraph 4.12 is modified.
343	<b><u>Logistics- Parts/Material Mgmt</u></b>	Parts Standardization: The OR&SS process for parts selection, parts control, and parts documentation as detailed in the OR&SS "Parts Standardization Plan" replaces MIL-STD-965, applicable parts of MIL-STD-100, and MIL-STD-454 (including parts requirement standards).
354	<b><u>Manufacturing- Soldering/Welding</u></b>	Soldering Process: The OR&SS process for soldering electrical and electronic assemblies in conformance with commercial standard ANSI/J-STD-001B, Class 3, with specific interpretations described in an OR&SS drawing replaces MIL-STD-454, MIL-STD-2000 & 2000A, MIL-C-28809B, MIL-S-45743C, and MIL-P-46843C (MI). No-clean soldering is also allowed.
287	<b><u>Quality- General/Multiple Processes</u></b>	Quality Program: The OR&SS ISO 9001 Quality System/Program replaces MIL-Q-9858A, MIL-I-45208, MIL-STD-45662A, and MIL-STD-1520. The primary changes involve changes to management responsibility, design control and repair, and rework of non-conforming material.
2191	<b><u>Safety</u></b>	To replace applicable sections of MIL-STD-882, MIL-HDBK-454 & UL-1950 and satisfy certain contractual requirements for defining, pre-approval and reporting of hazardous materials with the NE&SS-Syracuse Hazardous Materials Management Plan based on NAS 411.
1257	<b><u>Software</u></b>	Software Development: The OR&SS process, as defined in Business Instruction 401, Section IV for Software Development, which meets or exceeds the goals of the Key Process Areas as outlined in the Software Engineering Institute Capability Maturity Model replaces DOD-STD-2167&2167A, DOD-STD-2168, MIL-STD-100 (para 204.2.6.1), MIL-STD-480, 481, 483, 490, 498, 1521, 1803, 973, 961, 1561, 1519&1679, and applicable MIL-T-31000 and MIL-S-52779 requirements on all applicable contracts.

## Lockheed Martin Space Systems, Astronautics Operations (LMAO), Denver, CO

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1060	<b><u>Business-General</u></b>	Technical Reviews: Replaces MIL-STD-1521 with internal LMA procedures for technical review. LMA technical review procedure contains requirements for a menu of reviews which contain all the MIL-STD-1521 reviews plus additional internal reviews. Which reviews are selected and utilized by each program is maintained in a program specific document so that programs may tailor to their need.
2028	<b><u>Business-General</u></b>	MIL-STD-680, Standardization Program Requirements for Defense Acquisitions canceled without replacement.
2030	<b><u>Business-General</u></b>	MIL-STD-804, Formats for Coding of Aperture, Camera, Copy, and Tabulating Cards (Inactive)
2021	<b><u>Business-General</u></b>	MIL-STD-143 Standards and Specifications, Order of Precedence for the Selection of canceled by DSIC with no superceding document.
2029	<b><u>Business-General</u></b>	MIL-STD-780, Work Unit Codes for Aeronautical Equipment; Uniform Numbering System canceled with no superceding document.
2033	<b><u>Business-General</u></b>	MIL-T-4782, Transparencies, Technical Training, General Specifications for canceled with no replacement identified by DSIC.
2187	<b><u>Business-General</u></b>	Delete MIL-STD-1379, Military Training Programs, and replace with DSIC approved standard MIL-PRF-29612.
1258	<b><u>Business-Subcontracting</u></b>	Survey of Supplier's Process Capabilities: This SPI proposes that initial supplier capability be determined by survey to industry standard specifications, with "special requirements" specifications grouped under the appropriate industry standard. This will allow surveys for the subject group to determine general/generic capabilities, with specific performance to be determined through the acceptance process. Implementation of this process would increase reliance on supplier ownership of verification and certifications and decrease the reliance on surveys, lower survey costs to programs, reduce tasks for supplier quality and increase emphasis during source inspection surveillance on unique special process requirements. This process creates a cost avoidance by reducing the number of surveys required, avoids redundant surveys, supports corporate/sector survey sharing philosophy and enhances the ability to move away from Government and specialty specification toward industry standards.
1919	<b><u>Business-Subcontracting-Enabling</u></b>	An Enabling Clause SPI would allow LMA to approve use of subcontractor SPIs or SPIs from other LMC elements previously approved by the government without additional LMA MC approval (if required)- if technically acceptable to LMA.
1987	<b><u>Engineering-Configuration Mgmt</u></b>	MIL-Std-970, Selection of Specifications, Order of Preference, canceled without replacement.
1109	<b><u>Engineering-Configuration Mgmt</u></b>	Allows for a streamlined SPI flow for cases where an industry consensus replacement or supercession, which LMA voluntarily chooses, is available for use in place of a technical specification on contract. This streamlined process may be used if a replacement, recommendation, or supercession appears in the Government ASSIST database. The specifications in this category are submitted to the Management Council on group lists for approval, and do not require full concept

		papers.
381	<b><u>Engineering-Configuration Mgmt</u></b>	Configuration Management: Replaces MIL-STD-480, 481, 482, 483, 1456, 973, and 1521 appendix G, H, and I, with internal procedures for configuration management. Internal processes will be based on EIA-IS-649 (scheduled for release this year) and ISO-10007.
1998	<b><u>Engineering-Drawings</u></b>	Cancel MIL-HDBK-63038-1 Technical Manual Writing Handbook without replacement.
1999	<b><u>Engineering-Drawings</u></b>	Cancel MIL-HDBK-63038-1 Technical Writing Style Guide without replacement.
2042	<b><u>Engineering-Drawings</u></b>	Replace DOD-D-1000, Drawings, Engineering and Associated Lists with industry standard ASME14.5M1994.
708	<b><u>Engineering-General</u></b>	Reliability Program: Replaces MIL-STD-785, MIL-STD-1543, and NHB 5300.4 with internal procedures for establishment of Reliability Programs. Existing programs with Reliability requirements have already developed Reliability Plans and will continue to operate to those plans.
1510	<b><u>Engineering-General</u></b>	The concept is to replace MIL-STD-490A on contracts using this MIL-STD as a compliance document with existing LMA Command Media as their direction for specification practices, effectively creating a single source of requirements.
2121	<b><u>Engineering-General</u></b>	MIL-STD-280 Definitions of Item Levels, Item Exchangeability, Models, and Related Items replaced with DSIC accepted MIL-HDBK-505.
1989	<b><u>Engineering-General</u></b>	Replace MIL-E-4158, Electronic Equipment, Ground, General Requirements for with MIL-HDBK-454.
466	<b><u>Engineering-General</u></b>	Systems Security Program: Replaces MIL-STD-1785 with internal LMA procedures and practices. Requires assessment of security requirements as an integral part of the Systems Engineering Process. Systems security program will be implemented in accordance with assessment and/or program requirements. Does not effect existing program requirements implemented in accordance with assessment and/or program requirements. Does not effect existing program requirements.
1511	<b><u>Engineering-Management</u></b>	The concept is to delete MIL-STD-499A from contracts and then use existing LMA Command Media as direction for Engineering Management. LMA Command Media will then be the single source of requirements for Engineering Management.
1995	<b><u>Engineering-Management</u></b>	Replace MIL-H-46855, Human Engineering Requirements for Military Systems, Equipment and Facilities with Maintainability SPI.
1920	<b><u>Engineering-Management</u></b>	Consolidate the tracking of measuring and test equipment into one automated database.
2043	<b><u>Engineering-Management</u></b>	DOD-STD-1700, Data Management Program cancelled without a superceding replacement identified.
2026	<b><u>Logistics-General</u></b>	MIL-STD-471, Maintainability Demonstration canceled and replaced with Maintainability SPI #1
2022	<b><u>Logistics-General</u></b>	MIL-STD-1561, Provisioning Procedures, Uniform DOD canceled with no superceding document as replacement.
383	<b><u>Logistics-General</u></b>	Maintainability Program: Replaces MIL-STD-470 with internal LMA procedures and practices. Requires assessment of maintainability requirements as an integral part of the Systems Engineering process. Maintainability program will be implemented in accordance with assessment and/or program requirements. Does not effect existing program requirements.
2018	<b><u>Logistics-General</u></b>	Replace MIL-M-8090 with industry standard SAE-AS8090.
1997	<b><u>Logistics-General</u></b>	MIL-HDKB-59, Continuous Acquisition and Life-Cycle (CALS) Support canceled without replacement.
2032	<b><u>Logistics-General</u></b>	MIL-STD-885, Procurement Data Packages canceled with no word on superceding document.
2189	<b><u>Logistics-General</u></b>	Remove MIL-STD-1388/2, DOD Requirements for a Logistic Support Analysis Record, and replace with MIL-PRF 49506.
2188	<b><u>Logistics-General</u></b>	Remove MIL-STD-1388/1, Logistics Support Analysis, and replace with MIL-HDBK-502.
1979	<b><u>Logistics-Marking</u></b>	Delete MIL-STD-1247, Markings, Functions and Hazard Designations of Hose,

		Pipe, and Tube Lines for Aircraft, Missile and Space Systems.
1980	<b><u>Logistics-Packaging</u></b>	Replace MIL-STD-1367, Packaging, Handling and Storage, and Transportability Program Requirements.
2020	<b><u>Logistics-Packaging</u></b>	Mil-P-9024 Packaging, Handling, and Transportability in System/Equipment Acquisition canceled by DSIC with no superceding document.
2114	<b><u>Logistics-Packaging</u></b>	MIL-P-116 Preservation, Methods replaced with Packaging and Preservation SPI #31.
2125	<b><u>Logistics-Packaging</u></b>	MIL-STD-975 NASA Standard Electrical, Electronic, and Electromechanical (EEE) Parts List replaced with methods under packaging and preservation SPI Block Change #31.
1633	<b><u>Logistics-Packaging</u></b>	This SPI is for development and appropriate implementation of LMA procedures and practices that replace the Government Standards listed below with "best commercial practices." MIL-HDBK-129, MIL-STD-1189, MIL-STD-2073-1, NASA Handbook 6000.1.
2124	<b><u>Logistics-Packaging</u></b>	MIL-STD-794 parts and equipment, procedures for packaging of, replaced with methods under Packaging and Preservation SPI #31.
2217	<b><u>Logistics-Parts/Material Mgmt</u></b>	Replaces MIL-B-16033, Bronze, Aluminum. Castings, with non-government standard QQ-C-390.
2220	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-H-21040, Honeycomb Materials, Water Migration Type, Structural Paper Base, is deleted without replacement.
2219	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-D-6998, Dichloromethane, Technical is replaced with non-government standard, ASTM-D4701-89.
1714	<b><u>Logistics-Parts/Material Mgmt</u></b>	Replace current PMP with internal PMP Management System based on ANSI/AIAA-R-100 document for EEE
2223	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-M-20693, Molding, Plastic, Polyamide (Nylon), Rigid, is replaced with non government standard ASTM D
2225	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-N-6011, Nitrogen, Liquid and Gas is replaced with non government standard BB-N-411.
2222	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-I-60326, Lubricant, Fluorocarbon Telomer Dispersion (For use with Ammunition) was removed without replacement.
2236	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-B-52761, Belting, Flat, Conveyor, Rubber Industrial Synthetic Reinforcement, is cancelled without
2278	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-R-27426, Rings, Retaining, Spiral (Uniform Cross Section) is replaced with DSIC approved standard MIL-DTL-27426
2246	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-P-25515, Plastic Materials, Phenolic Resin, Glass-Fiber Base, Laminated, is cancelled without replacement.
2270	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-B-81705, Barrier Materials, Flexible, Electrostatic Protective, Heat Sealable is replaced with DSIC approved standard MIL-PRF-81705.
2248	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-R-30500, Rope, Polyester, is cancelled without replacement.
2249	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-S-4043, Steel; Corrosion Resisting (Extra Low Carbon Type 304), Plate, Sheet, and Strip (Inactive), is cancelled without replacement.
2242	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-E-5154, Ethyl Alcohol (Ethanol), is removed without replacement.
2279	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-S-19500, Semiconductor Devices, General Specification For, is replaced with DSIC approved standard MIL-PRF-19500.
2241	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-C-87129, Cord, Fibrous, Aramid Braided, is removed without replacement.
2275	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-H-13444, Hose and Hose Assemblies, Rubber: Fuel and Oil, is replaced with DSIC recommended standard MIL-DTL-13444
2239	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-C-43307, Cord, Nylon, Solid Braid, General Purpose, is cancelled and removed without replacement.
2276	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-H-83282, Hydraulic Fluid, Fire Resistant, Synthetic Hydrocarbon Base, Metric NATO Code Number H-537, is replaced with DSIC recommended standard MIL-PRF-83282
2280	<b><u>Logistics-</u></b>	MIL-S-22499, Shim Stock, Laminated, is replaced with non government standard

	<b><u>Parts/Material Mgmt</u></b>	SAE-AMS-DTL-22499
2245	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-P-15280, Plastic Material, Unicellular (Sheets and Tubes), is cancelled without replacement.
2282	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-S-83731, Switches, Toggle, Unsealed and Sealed Toggle, General Specification For, is replaced with DSIC approved standard MIL-DTL-83731
2232	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-T-21014, Tungsten Base Metal, High Density, is replaced with non-government standard
1981	<b><u>Logistics-Parts/Material Mgmt</u></b>	Replace MIL-STD-1523, Age Controls of Age-Sensitive Elastomeric Materials with LMA internal process based on commercial best practices, SAE-AS1933.
2235	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-B-121, Barrier Material, Grease-proofed, Waterproofed, Flexible is cancelled without replacement.
2268	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-B-131, Barrier Materials, Water Vapor Proof, Greaseproof, Flexible, Heat-Sealable, Material Specification For is replaced with DSIC recommended standard MIL-PRF-131.
2283	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-W-83420, Wire Rope, Flexible, For Aircraft Control, is replaced with DSIC approved standard
2269	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-B-22191, Barrier Materials, Transparent, Flexible, Heat-Sealable is replaced with DSIC approved standard MIL-PRF-22191.
2227	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-P-46036, Plastic Sheet, Rods, Tubes and Discs, Polychloro-trifluorethylene, is cancelled without replacement.
2284	<b><u>Logistics-Parts/Material Mgmt</u></b>	MS20819, Sleeve, Flared Tube Fitting, is replaced with non government standard SAE-AS5176
2226	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-P-12420, Plastic Material, Cellular, Elastomeric, is cancelled without replacement.
2273	<b><u>Logistics-Parts/Material Mgmt</u></b>	MIL-C-39012/82, Connectors, Receptacle, Electrical, Coaxial, Radio Frequency, Series Sma, (Cabled, Socket, Flange Mounted, Class 2, Semirigid Cable) is replaced with DSIC recommended standard MIL-PRF-39012/82
1988	<b><u>Manufacturing-ESD Protection</u></b>	Replace MIL-B-5087, Bonding, Electrical, and Lightning Protection, for Aerospace Systems with MIL-STD-464.
2037	<b><u>Manufacturing-General</u></b>	MS33611, Tube Bend Radii canceled and replaced with industry standard SAE-AS33611.
2178	<b><u>Manufacturing-General</u></b>	Delete MIL-W-5050, Walkway, Coating, and Matting, Nonslip, Aircraft, Application of, without Replacement.
2179	<b><u>Manufacturing-General</u></b>	Delete MS24385, Fitting End, Flared Tube Connection, Precision Type, Standard Dimensions, and replace with SAE-AS4395.
2131	<b><u>Manufacturing-General</u></b>	MIL-H-5606 Hydraulic Fluid, Petroleum Base; Aircraft, Missile and Ordnance removed without replacement.
2183	<b><u>Manufacturing-General</u></b>	Delete MIL-H-7199, Processes for Heat Treatment of Wrought Copper-Beryllium Alloys, and replace with SAE AMS-H-7199.
1996	<b><u>Manufacturing-General</u></b>	Replace MIL-H-6088, Heat Treatment of Aluminum Alloys with industry standard SAE-AMS-H-6088.
2019	<b><u>Manufacturing-General</u></b>	MIL-M-8555 Missile, Guided, Design and Construction, General Specification for canceled without replacement.
2272	<b><u>Manufacturing-General</u></b>	MIL-C-39006, Capacitors, Fixed, Electrolytic (Nonsolid Electrolyte), Tantalum, Established Reliability, General Specification For is replaced with DSIC recommended standard MIL-PRF-39006
2171	<b><u>Manufacturing-General</u></b>	MIL-P-81728, Tin Lead (Electrodeposited) Plating, is replaced with non government standard
1977	<b><u>Manufacturing-General</u></b>	Screw Threads, Continuous Radius, Increased Minor Diameter, General Specification For (Inactive)
1976	<b><u>Manufacturing-General</u></b>	Screw Threads, Standard, Optimum Selected Series, General Specification for (Inactive)
2172	<b><u>Manufacturing-General</u></b>	MIL-S-83490, Specification, Types and Forms was replaced with methods under Specification Practices SPI #2.
2176	<b><u>Manufacturing-General</u></b>	Delete MIL-STD-1515, Fastener Systems for Aerospace Applications without replacement.

2130	<b><u>Manufacturing-General</u></b>	MIL-C-81769, Specification for chemical milling of metal is replaced with non-government standard
2243	<b><u>Manufacturing-General</u></b>	MIL-F-83142, Forging, Titanium Alloys, Premium Quality, is cancelled without replacement.
2115	<b><u>Manufacturing-General</u></b>	MIL-P-47226, Plating Copper, Electroless (For Non-Conducting Material) is cancelled without replacement.
2228	<b><u>Manufacturing-General</u></b>	MIL-R-11, General Specification For Resistors, Fixed, Composition (Insulated), is cancelled without replacement.
2229	<b><u>Manufacturing-General</u></b>	MIL-R-39008, General Specification for Resistors, Fixed, Composition (Insulated) Established Reliability, is cancelled without replacement.
2118	<b><u>Manufacturing-General</u></b>	MIL-S-13165 Shot Peening of Metal Parts is cancelled and replaced with non government standard
2230	<b><u>Manufacturing-General</u></b>	MIL-S-13949 General Specification for Printed Wiring Board Sheet is replaced with IPC4101.
2233	<b><u>Manufacturing-General</u></b>	MIL-T-55164, General Specifications for Terminal Boards, Molded, Barrier, Screw & Stud Types, And Associated Accessories is cancelled without replacement.
2238	<b><u>Manufacturing-General</u></b>	MIL-C-3900/5, Capacitors, Fixed, Mica Dielectric, Established Reliability, Style CMR01, is cancelled without replacement.
2240	<b><u>Manufacturing-General</u></b>	MIL-C-5/18, Capacitors, Fixed, Mica Dielectric, Styles CM04, CM05, CM06, CM07, CM08, CM09, CM10, CM11, CM12, and CM13, is cancelled without replacement.
2035	<b><u>Manufacturing-General</u></b>	MIL-T-8973, Tubing, Steel, Corrosion and Heat Resistant, for Aerospace Vehicle Hydraulic Systems Assembled by Brazing canceled and replaced with industry standards.
2216	<b><u>Manufacturing-General</u></b>	Replace MIL-STD-81596, Aluminum Foil For Sandwich Construction, with non government standard SAE-AMS A-81596.
2271	<b><u>Manufacturing-General</u></b>	MIL-C-123, Capacitors, Fixed, Ceramic Dielectric is deleted without replacement
1870	<b><u>Manufacturing-General</u></b>	Replace MIL-B-7883, Brazing of Steels, Copper, Copper Alloys, Nickel Alloys, Aluminum and Aluminum Alloys with LMA internal process AWS-C3.4, AWS-C3.6, etc, as recommended.
2044	<b><u>Manufacturing-General</u></b>	MIL-A-83377, Adhesive bonding for Aerospace and other Systems canceled without a replacement document
1922	<b><u>Manufacturing-General</u></b>	Replace 25 technical specifications with DSIC approved replacements.
2251	<b><u>Manufacturing-General</u></b>	MIL-S-8802, Sealing Compound, Temperature-Resistant, Integral Fuel Tanks and Fuel Cell Cavities, High-Adhesion, is removed without replacement.
2122	<b><u>Manufacturing-General</u></b>	MIL-STD-47187 Nuts, Blind, Press, and Blind Rivet, Installation of cancelled and replaced with DSIC accepted MIL-HBK-505.
2113	<b><u>Manufacturing-General</u></b>	MIL-N-47187 Nuts, Blind, Press, and Blind Rivet, Installation of cancelled without replacement.
2036	<b><u>Manufacturing-General</u></b>	MS33584, Tubing End Standard Dimensions for Flared canceled and replaced with industry standard.
2034	<b><u>Manufacturing-General</u></b>	MIL-T-8808, Tubing, Steel, Corrosion-Resistant (18-1 Stabilized), Aircraft Hydraulic Quality canceled and replaced with industry standard.
2262	<b><u>Manufacturing-General</u></b>	MIL-S-8949, Steel Bars, Plates, Sheets, Billets, and Reforging Stock Type D6AC is replaced with non-government standard SAE-AMS-S-8949.
2247	<b><u>Manufacturing-Management</u></b>	MIL-PRF-55365/2, Capacitors, Chip, Fixed, Tantalum, Established Reliability, Styles CWR03 and CWR04, is cancelled without replacement.
2237	<b><u>Manufacturing-Management</u></b>	MIL-C-17124, Cord, Detonating, is cancelled and removed without replacement.
2224	<b><u>Manufacturing-Management</u></b>	MIL-M-38510, General Specification for Microcircuits, is cancelled without replacement.
467	<b><u>Manufacturing-Management</u></b>	Work Breakdown Structure: Replaces MIL-STD-881 with internal LMA procedure. Requires WBS to be constructed per RFP requirements, or in the absence of such a requirement, in accordance with procedure.

974	<b><u>Manufacturing- Management</u></b>	Manufacturing Management: Replaces MIL-STD-1528 with internal procedures for Manufacturing Management review. LMA Manufacturing Management is based upon current LMA Manufacturing Resource Planning (MRP II) system.
382	<b><u>Manufacturing- Management</u></b>	Work Measurement System: Replaces MIL-STD-1567 with internal work and performance measurement methods already in use at LMA. Permits the use of engineered/estimated standards.
2116	<b><u>Manufacturing- Painting/Coating</u></b>	MIL-P-6808 Primer Coating, Zinc Chromate, Process for Application of is cancelled without replacement.
2031	<b><u>Manufacturing- Painting/Coating</u></b>	MIL-STD-808, Finish, Material and Processes for Corrosion Prevention and Control in Support Equipment canceled and replaced as a Handbook.
2281	<b><u>Manufacturing- Painting/Coating</u></b>	MIL-S-81733, Sealing and Coating Compound, Corrosion Inhibitive, is replaced with DSIC approved standard MIL-PRF-81733
1993	<b><u>Manufacturing- Painting/Coating</u></b>	Replace MIL-F-7179, Finishes, Coatings, and Sealants for the Protection of Aerospace Weapons Systems with
2173	<b><u>Manufacturing- Painting/Coating</u></b>	Delete MIL-S-5002, Surface Treatments and Inorganic Coatings for Metal Surfaces of Weapons Systems without replacement.
2126	<b><u>Manufacturing- Painting/Coating</u></b>	MIL-T-10727 Tim Plating: Electrodeposited or hot dipped, For Ferrous and Nonferrous Metals; replaced with non-government standards ASTM-B545 and ASTM-B339.
2170	<b><u>Manufacturing- Painting/Coating</u></b>	Replace MIL-M-3171, Processes for Pretreatment and Prevention of Corrosion on Magnesium Alloy with non-government standard SAE-AMS-M-3171.
2049	<b><u>Manufacturing- Painting/Coating</u></b>	Replace MIL-C-6021, Coatings, Classification and Inspection of with a DSIC approved MIL-STD.
2112	<b><u>Manufacturing- Painting/Coating</u></b>	MIL-M-6874 Metal Spraying, Process for will be removed without replacement.
2050	<b><u>Manufacturing- Painting/Coating</u></b>	MIL-C-8507, Coating, Wash Primer (Pretreatment) for Metals, Application Of (For Aeronautical Use) canceled without replacement.
2277	<b><u>Manufacturing- Painting/Coating</u></b>	MIL-P-85582, Primer Coatings: Epoxy Waterborne, is replaced with DSIC approved standard MIL-PRF-85582
2244	<b><u>Manufacturing- Painting/Coating</u></b>	MIL-I-46058, Insulating Compound, Electrical (For Coating Printed Circuit Assemblies), is cancelled without replacement.
2048	<b><u>Manufacturing- Painting/Coating</u></b>	Replace MIL-C-14450, Copper Plating (electrodeposited) with LMA internal standard AMS2418.
2129	<b><u>Manufacturing- Soldering/Welding</u></b>	MIL-W-8611, Processes for Welding, Metal Arc and Gas, Steels, and Corrosion and Heat Resistant Alloys is replaced with MIL-STD-2219.
2177	<b><u>Manufacturing- Soldering/Welding</u></b>	Delete MIL-STD-1595, Qualification of Aircraft, Missile & Aerospace Union Welders, and replace with SAE-AMS-STD-1595.
1975	<b><u>Manufacturing- Soldering/Welding</u></b>	Replace soldering spec MIL-STD-45743 with high reliability soldering practice MP87100 which is based on commercial best practice.
2128	<b><u>Manufacturing- Soldering/Welding</u></b>	MIL-W-8604 Process and Performance of Welding, Fusion: Aluminum Alloys; replaced with DSIC approved MIL-STD-2219.
1863	<b><u>Manufacturing- Soldering/Welding</u></b>	Tech Spec replacement for soldering spec replaced with LMA internal processes.
2127	<b><u>Manufacturing- Wiring</u></b>	MIL-W-8160, general specification for installing Wiring and Guided Missile; replaced with DSIC approved standard.
2119	<b><u>Manufacturing- Wiring</u></b>	MIL-S-6852 Splice, Conductor, Electric, Disconnect is cancelled and replaced with non-government standard SAE AS6852.
2182	<b><u>Manufacturing- Wiring</u></b>	Delete MIL-E-45782, Procedures for Electrical Wiring, without a replacement.
1983	<b><u>Manufacturing- Wiring</u></b>	Replace MIL-STD-275, Printed Wiring for Electronic Equipment with non-government Standard (NGS)
1978	<b><u>Quality System</u></b>	Replaces MIL-STD-109, Quality Assurance Terms & Definitions with the LMA internal Product Delivery Systems Manual (PDSM).
2190	<b><u>Quality System</u></b>	Delete MIL-STD-756, Reliability Modeling & Prediction, without replacement.
1667	<b><u>Quality System</u></b>	LMA proposes to use the Product Delivery System Manual (PDSM) as the single Quality System document in lieu of all other individual program documents. The



		PDSM was produced as part of the ISO 9001 registration process, and serves the function of Quality System description, and provides overview and linkages to executing procedures. It has an additional advantage of eliminating multiple system descriptions, requirements redundancy, and multiple document maintenance.
2185	<b><u>Quality System</u></b>	Delete MIL-STD-721, Definitions of Terms for Reliability and Maintainability, and use Reliability SPI #5.
483	<b><u>Quality-Calibration</u></b>	Calibration and Metrology System: Replaces MIL-STD-45662 with internal procedures based upon ANSI-Z-540.
2274	<b><u>Quality-General/Multiple Processes</u></b>	MIL-C-55365/8, Capacitors, Chip, Fixed, Tantalum, Established Reliability, Style CWR11 is replaced with DSIC approved standard MIL-PRF-55365/8
384	<b><u>Quality-General/Multiple Processes</u></b>	Quality System: Replaces MIL-Q-9858, MIL-STD-1586, MIL-STD-45208, and NHB 5300.4 with LMA's ISO 9001 based internal Quality System. The Quality System is implemented through the LMA Policies, Practices, and procedures and is outlined by the LMA Product Delivery System Manual.
2267	<b><u>Quality-General/Multiple Processes</u></b>	MIL-T-9047, Titanium and Titanium Alloy Bars (Rolled or Forged) and Reforging Stock, Aircraft Quality is deleted without replacement
2265	<b><u>Quality-General/Multiple Processes</u></b>	MIL-T-7081, Tube, Aluminum Alloy, Seamless, Round, Drawn 6061, Aircraft Hydraulic Quality is replaced with non-government standard SAE-AMS-T-7081
2264	<b><u>Quality-General/Multiple Processes</u></b>	MIL-T-6736, Tubing, Chrome-Molybdenum, 4130 Steel, Seamless and Welded, Aircraft Quality is replaced with non-government standard SAE-AMS-T6736
2263	<b><u>Quality-General/Multiple Processes</u></b>	MIL-T-5695, Tubing, Steel, Corrosion-Resistant (304), Cold Drawn (Inactive) is removed without replacement as recommended by DSIC.
2250	<b><u>Quality-General/Multiple Processes</u></b>	MIL-S-7947, Steel, Sheet and Strip (1095) Aircraft Quality, is replaced with non-government standard, AMS5121.
2231	<b><u>Quality-General/Multiple Processes</u></b>	MIL-S-7720, Steel, Corrosion, Resistant (18-8) Bars, Wire and Forging Stock (Aircraft Quality) is replaced with non-government standard SAE-AMS-S-7720.
2266	<b><u>Quality-General/Multiple Processes</u></b>	MIL-T-8504, Tubing Steel, Corrosion-Resistant (304), Aerospace Vehicle Hydraulic Systems, Annealed, Seamless and Welded is deleted without replacement.
1985	<b><u>Quality-General/Multiple Processes</u></b>	Replace MIL-STD-454, Standard General Requirements for Electronic Equipment with Military Handbook.
1986	<b><u>Quality-Inspection</u></b>	Replace MIL-STD-6866, Inspection Liquid Penetrant with non-government Standard (NGS) ASTM-E1417.
2000	<b><u>Quality-Inspection</u></b>	Replace MIL-I-6870 Inspection Program Requirements, Nondestructive for Aircraft and Missile Materials and
2221	<b><u>Quality-Inspection</u></b>	Replace MIL-I-25235, Inspection Materials, Penetrants with non-government standard SAE-AMS2644.
2110	<b><u>Quality-Inspection</u></b>	MIL-I-6868 Inspection Process, Magnetic Particle S/S by STD-1949. Replaced with non-government standard ASTM-E1444.
1984	<b><u>Quality-Inspection</u></b>	Replace Mil-Std-453, Inspection, Radiographic with non-government Standard (NGS) ASTM-E1742.
2111	<b><u>Quality-Inspection</u></b>	Replace MIL-I-8950 Inspection, Ultrasonic, Wrought Metals, Process for with DSIC approved MIL-STD-2154.
1982	<b><u>Quality-Inspection</u></b>	Replace MIL-STD-1949, Inspection, Magnetic Particle with non-government Standard, ASTM-E1444.
334	<b><u>Quality-Non Conforming Material/MRB</u></b>	Product Integrity Reporting System: Converts the Nonconformance System requirements from the use of multiple MIL-STD-1520 based nonconformance systems to a single, electronic, internal procedure driven system. System features

		Program and Site profileable data collection fields and processing flows and Graphic User Interface.
1897	<u><b>Quality-Supplier</b></u>	Replacement of the government/industry data exchange program with internal requirements.
484	<u><b>Quality-Supplier</b></u>	Supplier Quality System: Replaces MIL-STD-1535 with LMA's ISO 9001 based internal Quality System. The Quality System is implemented through the LMA Policies, Practices, and Procedures and is outlined by the LMA Product Delivery System Manual. This system recognized ISO 9000 third party registration of our suppliers as evidence of acceptable Quality system.
2184	<u><b>Safety</b></u>	Delete MS33450, General Practices For Safety Wiring and Cotter Pinning, and replace with NASM 33540.
1508	<u><b>Safety</b></u>	It is proposed that the LMA internal System Safety Standard consolidate Program System Safety Implementation into a SPI based on LMA P3 and the new LMA System Safety Standard. This new LMA System Safety Standard would maintain the current technical requirements that are presently in MIL STD 882C and internal LMA documentation. This would ensure the continuation of current safety margins for our LMA customers and ensure that LMA Products would continue to meet Range Safety requirements specified in EWR 127-1.
2234	<u><b>Safety</b></u>	MIL-W-5044, Walkway Compound, Nonslip and Walkway Matting, Nonslip is replaced with non-government standard, A-A-59166.
2120	<u><b>Software</b></u>	MIL-STD-1815 ADA Programming Language (ANS/MIL-STD-1815A-1983) cancelled and replaced with ISO
2024	<u><b>Testing</b></u>	MIL-STD-410, Nondestructive Testing Personnel Qualification and Certification canceled and replaced with industry standard NAS410.
2023	<u><b>Testing</b></u>	MIL-STD-2165, Testability Program for Systems and Equipment. Canceled and replaced with a MIL-Handbook.
2180	<u><b>Testing</b></u>	Delete FED-STD-151, Metals, Test Methods, without replacement.
1994	<u><b>Testing</b></u>	MIL-H-25475, Hydraulic Systems, Missile Design, Installation and Tests, General Requirements for canceled by DSIC without replacement.
2181	<u><b>Testing</b></u>	Delete Fed-Std-406, Methods of Testing Plastics, and replace with ASTM Methods.
2186	<u><b>Testing</b></u>	Delete MIL-STD-781, Reliability Testing for Engineering Development, Qualification, and Productions, and replace with Reliability SPI #5.
2025	<u><b>Testing</b></u>	MIL-STD-463, Definitions and Systems of Units, Electromagnetic Interference and Electromagnetic Compatibility Technology.
482	<u><b>Testing</b></u>	Test Program: Replaces MIL-STD-1540 with internal LMA test procedures and practices. Features a minimum test baseline for assurance of mission success, with the ability to tailor up to individual program needs. Will not effect existing programs unless the programs request tailoring.
2027	<u><b>Testing</b></u>	MIL-STD-621, Subgrade, Subbase, and Test Method for Pavement Base-Course Materials (No S/S document)
2175	<u><b>Testing</b></u>	Delete MIL-STD-1312, Fasteners, Test Method and replace with NASM 1312.
2174	<u><b>Testing</b></u>	Delete MIL-STD-1186, Cushioning, Anchoring, Bracing, Blocking and Waterproofing, with Appropriate Test Methods and use methods under the Packaging & Preservation SPI #31.

## Motorola, Scottsdale, AZ

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2010	<b><u>Business-Earned Value Mgmt System</u></b>	Institutionalize EVMS as a Management System at Motorola.
454	<b><u>Business-FARA/FASA</u></b>	FASA: Incorporates updated FAR clauses IAW Section 10002 of FASA and the current version of the revised FAR parts that were effected by FASA. (SPI modification issued)
1222	<b><u>Business-General</u></b>	Revised Final Indirect Cost Rates and Payment Provisions: Incorporates the February 1997 versions of FAR Clauses 52.216-7, -8 and -10 that improves the procedures for providing final payments on cost type contracts and removes certification for individual rates proposals except for final rates.
389	<b><u>Business-General</u></b>	Revised Data Rights Clauses: Incorporates the new DFAR (Rights in Technical Data or Computer Software) clauses dated June and November 1995 into existing contracts. (SPI modification issued)
1183	<b><u>Business-Reps &amp; Certs</u></b>	Clinger-Cohen Act of 1996: Incorporates certain provisions of the Clinger-Cohen Act of 1996 regarding the elimination of Procurement Integrity certifications, incorporates current Cost or Pricing Data clauses, eliminates "catalog or market" categories and deletes certification for progress payments and billing rates.
1501	<b><u>Business-Reps &amp; Certs</u></b>	Concept paper is to replace the submission of individual Representations and Certifications with each proposal to an annual comprehensive representations and certifications submitted to the local DCMA office.
1688	<b><u>Manufacturing-Electronic Fabrication</u></b>	Update all active DOD contracts to allow the use of Motorola's workmanship standard as documented in SSTG SPP 58-3 based on J-STD-001B.
453	<b><u>Manufacturing-ESD Protection</u></b>	Motorola Electrostatic Discharge (ESD) System: Implements the Motorola Electrostatic Discharge Control Manual as the single process for the protection of electrostatic sensitive components and equipment. The Motorola ESD Control Manual meets or exceeds the requirements of ANSI/EIA-625. (SPI modification issued)
1687	<b><u>Manufacturing-General</u></b>	Enter into an MOA that relates to the materials and testing required to support the assembly and soldering processes delineated in J-STD-001B.
1639	<b><u>Manufacturing-Soldering/Welding</u></b>	Utilize the requirement in J-STD-001B as the single standard to which Motorola will assemble and solder to.
1641	<b><u>Manufacturing-Wiring</u></b>	Incorporate the current procurement specifications for all Printed Wiring Board (PWBs)
1221	<b><u>Quality-Calibration</u></b>	Calibration Standard: Proposes a Motorola standard operating instruction (SOI) is the single process for calibration of test equipment replacing MIL-STD-45662.
331	<b><u>Quality-General/Multiple Processes</u></b>	ISO 9001: Converts the quality requirements from various specifications (MIL-Q-9858, MIL-I-45208A, NSA 91-15, NHB-5300) to ISO 9001. (SPI modification issued)
1624	<b><u>Quality-Inspection</u></b>	Standardize the selection of sampling plans within Motorola and to account for a

		variety of sampling situations.
1640	<b><u>Quality-Inspection</u></b>	Replace specified acceptance criteria contained in various Government specifications with ANSI/IPC-A-610B.
963	<b><u>Software</u></b>	Software Development: Motorola Standard Policy and Procedure 62 is the single process for the development of software on all Government contracts. This procedure meets or exceeds various Military Specifications and industry Standards. (SPI modification issued)

## Northrop Grumman DSSD, Hawthorne, CA

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1026	<b><u>Business-General</u></b>	ADPE Reviews: Eliminates annual comprehensive ADPE reviews at NG Internal Information Service Division. Replaces them with Internal Reviews, PROCAS measures, and routine DACO reviews. Memo of Understanding (MOU) issued 9/25/96.
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# Northrop Grumman Electronic Sensors and Systems Div. (ESSD), Baltimore, MD

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1498	<b><u>Business-Direct Billing</u></b>	Cost reimbursable contracts only will now be direct billed to DFAS.
984	<b><u>Business-Small Disadvantaged</u></b>	Replace all Subcontracting Small Business Plans with a Comprehensive Subcontracting Plan.
2056	<b><u>Business-Subcontracting-ACO Consent</u></b>	Contracts previously containing FAR 52.244-1, 52.244-2 or 52.244-3 now contain FAR 52.244-2 ALT I. This change does not change specific contract requirements or contracts containing FAR 52-244-2(e) or FAR 52.244-1(e).
379	<b><u>Engineering-Configuration Mgmt</u></b>	Configuration Management: Replaces multiple military specifications for managing deliverable item configuration with a Northrop Grumman process tailored from EIA/IS-649. Compliance is monitored through self-assessments that are conducted as an integral part of the certified ANSI/ASQC Q9001 Management System.
2287	<b><u>Engineering-Management</u></b>	Removes contractual parts control requirements as defined by MIL-STD 965 and replace with enhanced version of MIL-HDBK-965, Opt B.
2288	<b><u>Logistics-Packaging</u></b>	NG Corp is recommending the use of commercial plywood boxes per NG specification aa503189 in lieu of Mil Spec PPP-B-601 for level B shipments.
2197	<b><u>Logistics-Packaging</u></b>	Use of one revision, as opposed to multiple revisions to packaging and marking specifications, allows Northrop Grumman to create one integrated computer program for the shipping process.
983	<b><u>Manufacturing-Soldering/Welding</u></b>	Soldering: Replace MIL-STD-454, -2000/-2000A, MIL-C-28809C with ANSI/J-STD-001 Industry Soldering
169	<b><u>Quality-General/Multiple Processes</u></b>	Northrop Grumman Quality System: Provides a single Quality System from the use of Military Specifications and Standards, i.e., Mil Std-9858A and Mil Std-45208 for use on all contracts at ESSD. The System is certified to ISO 9001 and ISO 9002 at the applicable locations.

**Northrop Grumman Electronics & Systems Integration Division (ESID-CSS-W),  
Hawthorne, CA**

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542	<b><u>Quality-Inspection</u></b>	ISO 9001: This Common Process Initiative submitted by NG/ESID/CSS-W replaces existing Quality specifications within existing government contracts with only one quality system, the international/commercial specification, ISO-9001.
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## Northrop Grumman ESID & SBMS, Melbourne, FL

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1117	<u><b>Quality- General/Multiple Processes</b></u>	Replace MIL-Q-9858A, MIL-STD-1567, and MIL-E-5400 with ISO-9000 based Quality System.
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## Northrop Grumman, Air Combat Systems, El Segundo, CA

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2207	<b><u>Business-CostDataReporting</u></b>	To implement the use of a joint codependent Combined (one step) Validation and Verification (CVV) process, as the baseline standard, for technical manual contracts issued by the Government to ISA/ACS. This replaces the contractual requirements for separate Contractor Validation and Customer Verification process (two step).
1322	<b><u>Business-Direct Billing</u></b>	Proposes submittal of interim cost vouchers directly to the paying office without requesting DCAA approval.
2208	<b><u>Business-Earned Value Mgmt System</u></b>	In lieu of Government of approval of system changes, ACS shall provide the ACO with notification of EVMS changes at least 14 calendar days prior to implementation.
458	<b><u>Business-General</u></b>	Common Spares Pricing Proposal Process: Standardize the content and submittal criteria for proposals for spares requirements and consolidates streamlining initiatives approved on individual programs.
459	<b><u>Business-General</u></b>	Streamlined Spares Pricing and Ordering Process: Allows customers to place priced orders for spares requirements in a streamlined, expedited manner through the use of a "living catalog." This will allow NG to establish the price of spare part (if part is less than \$25,000/unit and less than \$50,000/line item) and maintain that price for a period of one year.
722	<b><u>Business-General</u></b>	Contract Close-outs: Replaces existing process with a streamlined process that expedites the administrative effort to close completed contracts. This process change still complies with the FAR 4.804 requirements, but it is expected to reduce delinquent contract closures and contract closure unbillables.
2210	<b><u>Business-Gov't Property</u></b>	Current property control requirements for Government property are specified in FAR 45.504, 45.505, and 45.508 and approved by another SPI block change for low value property at a dollar threshold of \$1500.00 resulting from the original 1995 DOD class deviation. The existing process would remain in effect, incorporating the revised FAR 45.101 definition of low value property at the new threshold of \$5000.00. Periodic physical inventory and reporting on low value government property between \$1500 and \$5000 would be eliminated.
369	<b><u>Business-Gov't Property</u></b>	Commercializing the Management of USG Assets: Provides for the use of commercial practices for the control, physical inventory, reporting and disposition of identified USG property with individual item values of less than \$1500.
368	<b><u>Business-Gov't Property</u></b>	Reduced Government Property Management Oversight: Consolidation of Property Management functions currently reviewed on an individual basis by the DCMA Property Administrator and/or designated contractor personnel. Achieves a reduction in duplicate efforts associated with established USG Property audit/oversight requirements. Fourteen individual functions are subject to annual review. This proposal combines, for the purpose of systems analysis, those functions having a significant degree of common processes, requirements and interdependency.
1466	<b><u>Business-Reps &amp; Certs</u></b>	Proposes a process for implementing the Federal Acquisition Circular 90-45 that eliminated the FAR requirement to execute Procurement Integrity certifications for

		proposals over \$100,000. This block change will amend all active contracts at NGMASD.
1563	<b><u>Business-Subcontracting-Enabling</u></b>	Proposes Northrop Grumman MASD be authorized under its prime contracts to approve SPI changes to processes at our suppliers that supersede prime requirements, provided those process changes have been approved in writing by the Government through the management council for prime contracts at the supplier's facility.
849	<b><u>Engineering-Configuration Mgmt</u></b>	Configuration Management: Replace Mil-Std-973 for future programs with the MASD standard that defines the Configuration Management process for all new programs and selected applications with tailoring for some existing programs. The standard addresses all basic elements of the Mil-Standard and recognizes most of the requirements are necessary to establish baselines, control changes and provide internal and external status accounting.
1967	<b><u>Engineering-General</u></b>	Upon acceptance of the proposal, NGMASD will implement and/or evaluate the following improvements consistent with J-STD-001 requirements: new materials and technologies in the soldering process; standardized soldering criteria; and a flexible manufacturing workforce
1715	<b><u>Logistics-Parts/Material Mgmt</u></b>	MASD proposes the elimination of Mil-Std-965 and Rev A, Parts Control Program, in favor of an ISO based division plan that is a streamlined Mil-Std-965 type process without customer submittals or approvals. The change gives MASD direct parts control, with contractor/customer auditing, and provides a framework for future process enhancements.
852	<b><u>Manufacturing-Management</u></b>	Use a performance measurement process to simplify the work measurement system for factory touch labor hours.
1856	<b><u>Manufacturing-Management</u></b>	The purpose of this concept paper is to eliminate the requirement for all MASD programs in the production phase to submit Class II Changes for concurrence in classification. It is extremely rare for DCMA personnel to challenge the classification as submitted by NG, therefore, the review is not a value-added task. To maintain the integrity of the classification selection, an annual self-governance plan will be put in place for review of 1% of each program's Class II changes by another program's Configuration Management staff. The results will be provided to DCMA as evidence of continued proper classification of changes.
848	<b><u>Quality-Calibration</u></b>	Eliminate Mil-Std-45662 Calibration Requirements System, in favor of division procedures prepared in accordance with ISO 9001 and guidance from ISO 10012, Metrological Confirmation System for Measuring Equipment.
2209	<b><u>Quality-General/Multiple Processes</u></b>	A significant number of self imposed site and program specific certification and certification categories were created which required mechanics to be recertified when moving to another site or program. This concept paper submitted for information only. No Modification required.
2211	<b><u>Quality-General/Multiple Processes</u></b>	Multiple methods are used to identify, evaluate and implement process improvements within the current process method context. Each process owner is responsible for maintaining and improving processes based on the organization's business goals and project requirements. ACS has implemented an additional approach to process improvement to supplement and enhance the existing process by applying Lean principles. Process improvements are identified and prioritized on customer value through a method called "value stream analysis." This paper did not require any modification to any contract and it has been implemented in all programs.
850	<b><u>Quality-Inspection</u></b>	Use a Certificate of Conformance for contracts or orders issued by Government for spares and for support equipment and peculiar ground support equipment.
846	<b><u>Quality-Non Conforming Material/MRB</u></b>	Replace Mil-Std-1520 requirements on current contracts in favor of division procedure prepared in accordance with ISO 9001.
895	<b><u>Quality-Supplier</u></b>	Eliminate Mil-Std-1535A and B, Supplier Quality Assurance Program Requirements, in favor of divisional procedures predicated on ISO 9000.
1758	<b><u>Software</u></b>	NGMASD proposes the replacing of DoD-STD-2167A, Defense System Software

		Development, with divisional command media predicated on ISO 9001, 9001-3 and the Software Engineering Institute's (SEI) Software Capability Maturity Model (SW-CMM), Version 1.1
880	<b><u>Testing</u></b>	Replace existing nondestructive inspection Military Specs and Standards currently on contract with an ISO-compliant MASD process control infrastructure.

## Pratt & Whitney West Palm Beach, FL; East Hartford, CT

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1771	<b><u>Business-CostDataReporting</u></b>	This concept paper proposes eliminating the CDRL requirement of the billing voucher on a monthly basis and using the monthly FMER to assess overall program cost information for Government evaluation purposes
492	<b><u>Business-CostDataReporting</u></b>	Reduced Contract Financial Oversight and Reporting: The proposed process is to change from monthly to quarterly reporting (Contract Funds Status Report (CFSR) and Cost/Schedule Status Report (C/SSR)).
1666	<b><u>Business-Earned Value Mgmt System</u></b>	P&W proposes changing all existing and future contracts with Cost/Schedule Control System Criteria (C/SCSC) requirements to a single Earned Value Management System (EVMS) business process.
1767	<b><u>Business-General</u></b>	Pratt and Whitney contracts initiated prior to April 17, 1995 still contain references to the specific customer security requirements as well as the Industrial Security Manual. Approval of this concept paper will allow P&W to use the NISP for all contracts. The vehicle used to implement the NISP is the National Industrial Security Program Operating Manual (NISPOM). The NISPOM is a simplified, uniform and cost effective security system.
1779	<b><u>Business-Gov't Property</u></b>	Pratt and Whitney proposes a streamlined procedure to process, control, and authorize right of use requests for government property at P&W. This procedure will reduce administrative effort while fulfilling the FAR requirements.
1490	<b><u>Business-Reps &amp; Certs</u></b>	FAR 52.203-8 & 52.203-9, Removal of requirement to maintain internal and external "procurement integrity."
1485	<b><u>Engineering-Configuration Mgmt</u></b>	Replace Mil-Std-965 part control requirements with a contractor developed part management process.
1491	<b><u>Engineering-Drawings</u></b>	Removal of requirement to deliver engine assembly drawing, table of limits, and clearance index chart to customer drawing vaults.
1665	<b><u>Engineering-General</u></b>	All existing and future contracts will be void of the requirement to adhere to MIL-STD-490/A, MIL-STD-961, MIL-E-87231 and MIL-S-87233. In their place, Pratt & Whitney will use the applicable JACG products as guidance.
1766	<b><u>Environmental-AP2I-JGAPP</u></b>	The use of Zinc chromate is required by Mil-STD-1568 that contains references to Federal Standard TT-P-1757. Pratt and Whitney requests the removal of the requirement to use zinc chromate on fasteners and inserts.
644	<b><u>Logistics-Packaging</u></b>	Replacement of military packaging requirements with commercial standard packaging for "depot use only" spares.
1773	<b><u>Manufacturing-General</u></b>	Because P&W is committed to maintaining its ISO 9001 quality certification and because its current system of FOD Prevention procedures and programs already exceed the requirements originally imposed by MIL-STD-980, P&W requests the replacement of the standard with a requirement that we maintain a FOD Prevention Program.
645	<b><u>Manufacturing-Management</u></b>	MID-STD-1567A Work Measurement: This paper removes MIL-STD-1567A (including current tailored wording) and the associated Data Items from all military contracts without replacement. P&W proposes that 1567 be replaced with an internally developed work measurement program.

1487	<b><u>Quality System</u></b>	Replacement of Mil-Q-9858 quality system requirements with P&W's ISO 9001 Quality System.
1488	<b><u>Quality-Non Conforming Material/MRB</u></b>	Replacement of Mil-Std-1520 non-conforming material process with P&W's ISO 9001 Quality System.
1664	<b><u>Quality-Supplier</u></b>	Block Change of MIL-STD-1535A to ANSI/ASQC 9001 from all existing government contracts will allow Pratt & Whitney to deploy a more effective and flexible Quality System, which can be responsive to market place and technology changes.
1770	<b><u>Software</u></b>	P&W proposes changing all existing and future contracts with DOD-STD-2168 requirements to reference the Pratt & Whitney process.
1769	<b><u>Software</u></b>	P&W proposes changing all existing and future contracts with DOD-STD-2167A requirements to reference the Pratt & Whitney process and documentation standards.

## Raytheon Co., DBA Raytheon Systems Co., Ft. Wayne, IN

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1093	<b><u>Logistics- Parts/Material Mgmt</u></b>	The contractor is proposing the replacement of MIL-STD-965B (Parts Control Program), which was cancelled September 26, 1996 and replaced by MIL-HDBK-965, with their internal procedure HDC Procedure 8-1-3 (Parts management Procedure).
1092	<b><u>Manufacturing- Electronic Fabrication</u></b>	Printed Wiring Board Manufacturing: Replace MIL-P-55110 (Rigid General Specification for Printed Wiring Board) with IPC-A-600, Rev E, Class III (Acceptability of Printed Wiring Boards). DSIC guidance in November 1995 converted MIL-P-55110 to a performance specification. The concept paper was approved and incorporated via block change modification in August 1997.
23	<b><u>Manufacturing-ESD Protection</u></b>	Electrostatic Discharge Control Program: Replace MIL-STD-1686 (Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts, Assemblies and Equipment) with JEDC JESD42 (Requirements for Handling Electrostatic-Discharge-Sensitive Devices) as well as contractor's internal processes. DSIC issued guidance to convert to a standard practice not later than December 1995 for future procurements. Concept paper was approved and incorporated via block change modification 7/3/96.
1252	<b><u>Manufacturing- Soldering/Welding</u></b>	The contractor is proposing the replacement of MIL-STD-2000A (Standard Requirements for Soldered Electrical and Electronic Assemblies) which was cancelled June 7, 1995, with J-STD-001, Class 3 (Requirements for Soldered Electrical and Electronic Assemblies).
1648	<b><u>Manufacturing- Soldering/Welding</u></b>	The contractor is proposing replacing MIL-F-14256F (Flux, Soldering, Liquid, Paste Flux, Solder Paste & Solder-Paste Flux, Electronic/Electrical Use), which was canceled by DSIC June 15, 1995, with J-STD-004 (Requirements for Soldering Fluxes).
1851	<b><u>Quality System</u></b>	The contractor is proposing replacing MIL-Q-9858A, MIL-I-45208A & MIL-STD-1535 by an ISO-9001 compliant Quality Management System.
36	<b><u>Quality-Calibration</u></b>	Calibration Systems Requirements: Replace MIL-STD-45662A (Calibration Systems Requirements) with ANSI/NCCL Z540-1-1994 (Calibration Laboratories and Measuring and Test Equipment - General Requirements). DSIC guidance canceled MIL-STD-45662A and indicated that future acquisitions should refer to ANSI/NCCL Z540-1, ISO 10012-1, or a comparable standard. The concept paper was approved and incorporated via block change modification 7/3/96.
1646	<b><u>Quality- General/Multiple Processes</u></b>	The contractor is proposing the replacement of MIL-STD-105E (Sampling Procedures and Tables for Inspection by Attributes) that was canceled February 27, 1995, with ANSI/ASQC Z1.4-1993.
1647	<b><u>Quality-Non Conforming Material/MRB</u></b>	The contractor is proposing the replacement of MIL-STD-1520C (Corrective Action and Disposition System for Nonconforming Materials) that was canceled by DSIC November 27, 1995, with their internal procedure OP Q65-04.

## Raytheon E-Systems, Inc.- Waco, Waco, TX

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503	<b><u>Business-Direct Billing</u></b>	Defense Finance and Accounting Service (DFAS) Direct Submission of Public Vouchers: Allows direct submission of vouchers to DFAS without approval by the Defense Contract Audit Agency (DCAA). Process conversion was based on DCAA determination of the adequacy of Raytheon Waco's accounting, billing, and labor charging systems plus extensive prior history of adequate billings. (Does not include first and last vouchers.) (Block change modification has been issued)
1281	<b><u>Business-FARA/FASA</u></b>	FASA Clauses: Substitution of new and revised clauses resulting from Federal Acquisition Streamlining Act for clauses now in contracts.
1007	<b><u>Business-Subcontracting</u></b>	Incorporation of new FAR Clause 52-244-6, Subcontracts for Commercial Items and Commercial Components: This change relieves Raytheon E-Systems Waco of the requirement to flow down FAR clauses on commercial items purchased from subcontractors and vendors. (Block change modification has been issued.)
1833	<b><u>Business-Subcontracting-Enabling</u></b>	Method by which RESY-W can authorize subcontractors and sister Raytheon companies to use SPI initiatives.
1834	<b><u>Manufacturing-ESD Protection</u></b>	MIL-STD-1686, Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts, Assemblies, and Equipment, will be replaced by ANSI/EIA-625, Requirements for Handling Electrostatic-Discharge-Sensitive (ESDS) Devices.
504	<b><u>Quality-General/Multiple Processes</u></b>	Incorporation of ISO 9001: Raytheon E-Systems Waco is third party ISO 9001 qualified and DCMA certified. The block change modification substitutes ISO 9001 for MIL-Q-9858A, MIL-I-45208, MIL-STD-1520, and MIL-STD-45662. (Block change modification has been issued)
1066	<b><u>Safety</u></b>	Substitution of National Fire Protection Association Standards in lieu of Air Force Regulation 55-22, NAVAIR Instruction 3710.1, and DLAR 8210.1 for fueled aircraft in hangars. This change allows Raytheon E-Systems Waco to bring fueled aircraft into hangars for short periods of time to make minor repairs so long as no work is performed on the fuel tanks. (Block change modification has been issued)

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33	<b><u>Business-CostDataReporting</u></b>	Reduces excessive cost reporting. Limits C/SSR to 3rd level WBS and reduces frequency of CCDR reports to end of contract only.
1783	<b><u>Business-Gov't Property</u></b>	Raytheon will adopt a common property system at all plants allowing one primary survey instead of many.
1785	<b><u>Business-Reps &amp; Certs</u></b>	Allow annual certifications vice a new certification for each order over \$10k.
1621	<b><u>Business-Small Disadvantaged</u></b>	Provides for an annual total operation small business plan and report. Eliminates individual contract plans and reports. (See FASA 1994 section 7103)
1620	<b><u>Business-Subcontracting</u></b>	Raises the DCMA \$500k imposed threshold on subcontractor audits to \$1M per FAR. Changes criteria for adequate competition.
1784	<b><u>Business-Subcontracting</u></b>	Based on FASA change, change the thresholds requiring s/c audits to prospective awards of \$1M.
1619	<b><u>Business-Subcontracting</u></b>	Subcontractor termination threshold raised from \$100k to \$500k for audits. Raised thresholds of subcontractor settlement proposals to \$100k (2 year waiver)
28	<b><u>Engineering-Configuration Mgmt</u></b>	Deletes ECPs on Class II changes, and delegates concurrence of classification authority to DCMA. On co-production contracts liaison between co-producers is allowed in parallel with submission to the Government.
151	<b><u>Engineering-Configuration Mgmt</u></b>	Removes unique parts requirements and allows use of contractor part numbers, therefore eliminates specification control drawings on non-development parts.
59	<b><u>Engineering-Configuration Mgmt</u></b>	Eliminates Physical Configuration Audits (PCAs).
1580	<b><u>Engineering-Configuration Mgmt</u></b>	RES will classify, approve and process all Class II ECPs. On Co-production programs, all ECPs will be coordinated with the co-producer prior to approval. DCMA will monitor all ECPs for classification and accuracy.
1618	<b><u>Engineering-Drawings</u></b>	Eliminate contract need for on sheet parts list
1805	<b><u>Environmental-AP2I-JGAPP</u></b>	On 6 different paint/primer specs, replace high VOC and/or chromium based paints/primers with low VOC non-chromium equivalents
1594	<b><u>Logistics-Packaging</u></b>	Includes four separate changes to packaging requirements. Two are waivers to MIL-STD-2073.
149	<b><u>Manufacturing-Soldering/Welding</u></b>	Replace a multiplicity of Soldering Specifications with an internal specification based on ANSI-J-001A, which effectively removes solderability testing, cosmetic rework, and allows for sample inspection.
292	<b><u>Quality System</u></b>	Replacement of MIL-STD-9858, MIL-I-45208, and AR92 on all contracts with ISO 9001.
22	<b><u>Quality-Calibration</u></b>	Eliminate test uncertainty ratio reports and adopt ANSI-Z-54c in place of MIL-STD-45662 for calibration process.
1782	<b><u>Quality-General/Multiple Processes</u></b>	DCMA would perform all systems reviews using customer input, precluding the need for separate and duplicative customer reviews.



61	<b><u>Quality-Inspection</u></b>	Eliminates rescreening of any components on any contract.
1622	<b><u>Quality-Inspection</u></b>	Allows for concurrent sell-off of product to internal QA and DCMA based on MOU with DCMA.
32	<b><u>Quality-Non Conforming Material/MRB</u></b>	Eliminate Material Review Board presentations on minor items to the Government.
1161	<b><u>Software</u></b>	A joint venture team developed an internal approach to developing software products along with core development metrics for use in determining the health of individual programs and overall system status.
31	<b><u>Testing</u></b>	Delete annual certification of test stands below system level.
29	<b><u>Testing</u></b>	Allows reduction of in-process testing when yields are greater than 98%, when tests included in Technical Data

## Raytheon Systems Co., Defense Systems Segment, Missile Systems, Tucson, AZ

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1567	<b><u>Business-Direct Billing</u></b>	Direct Submission of Cost Type Vouchers: Permits electronic submission of vouchers for cost type contracts directly to Defense Finance Accounting Service Center.
1494	<b><u>Business-Earned Value Mgmt System</u></b>	Earned Value Management System: Converts existing C/SCSC requirements to the earned value management
434	<b><u>Business-General</u></b>	Military Specifications and Standards: Permits using the latest revision of military specifications and standards regardless of the revision cited in contracts.
436	<b><u>Business-Subcontracting</u></b>	Surplus Labor Reporting: Eliminates surplus labor reporting requirements for all contracts.
506	<b><u>Business-Subcontracting</u></b>	Standardized Subcontractor FAR/DFARS Flowdown Requirements: Incorporates the latest versions of various FAR subcontractor flow down clauses and applicable thresholds.
1973	<b><u>Business-Subcontracting-ACO Consent</u></b>	This SPI for Common Advance Notification/Consent to Issue allows the contractor to use the August 1998 version of FAR 52.244-1, -2, -3 with Alternate I regardless of which revision is cited in the individual contracts. All contracts will be brought into compliance with the FAR 52.244-2 requirements as of the August 1998 revision.
435	<b><u>Business-TINA</u></b>	Truth in Negotiations Act (TINA) Thresholds: Incorporates a single TINA threshold for all subcontracts.
53	<b><u>Engineering-Configuration Mgmt</u></b>	Configuration Management: Implements electronic delivery of data, standardizes contractor integrated technical information services, establishes common drawing format, and standardizes requirements for accomplishing configuration management tasks.
505	<b><u>Environmental-SPI</u></b>	Site Safety and Environmental Program: Reduces external audits by using contractor safety audit data.
47	<b><u>Environmental-SPI</u></b>	Hazardous Materials Management Program: Establishes a common process within RMSC for the management of hazardous materials using NAS 411.
1606	<b><u>Logistics-Marking</u></b>	Depot Parts Identification Marking: Implements a common process to identify parts manufactured and assembled in the contractor repair facility.
1493	<b><u>Logistics-Packaging</u></b>	Streamlined Shipping Preparation: Converts shipping container, labeling, and marking requirements to industry best practices.
1253	<b><u>Logistics-Packaging</u></b>	Fire Retardant Foam Replacement: Replaces the requirements for fire retardant foam-in-place packaging with non-fire retardant foam.
56	<b><u>Logistics-Parts/Material Mgmt</u></b>	Parts Control: Converts parts control from the requirements of MIL-STD-963 to a contractor Parts and Materials Control Program.
1952	<b><u>Logistics-Parts/Material Mgmt</u></b>	This SPI allows the contractor's IPT to test, evaluate and substitute commercial material supply items for mil spec items that may have been eliminated or made obsolete without processing an engineering change.
51	<b><u>Manufacturing-Electronic</u></b>	PWB Fabrication: Replace Printed Wiring Board Fabrication requirements of MIL-P-5510 with IPC-RB-276 (tailored), for plant site programs.

	<b><u>Fabrication</u></b>	
42	<b><u>Manufacturing-Electronic Fabrication</u></b>	Hybrid Microelectronics Assembly: Converts requirements for assembly of hybrid microelectronics to MIL-PRF-38534 as the standard for hybrid production.
1254	<b><u>Manufacturing-Electronic Fabrication</u></b>	PWB Fabrication: Replaces Printed Wiring Board Fabrication requirements of MIL-P-5510 with MIL-PRF-31032.
1094	<b><u>Manufacturing-General</u></b>	Environmental Working Standards: Replaces MIL-STD-1695 with a contractor plan.
46	<b><u>Manufacturing-General</u></b>	Stainless Steel Passivation: Establishes a common process for the passivation and testing of corrosion-resistant (stainless) steels by replacing QQ-P-35 and MIL-STD-186 with ASTM A 380.
439	<b><u>Manufacturing-Management</u></b>	Manufacturing Management Plan: Replaces program specified requirements and MIL-STD-1528A with a single manufacturing management plan.
41	<b><u>Manufacturing-Soldering/Welding</u></b>	Solder Assembly: Converts solder and electronics assembly requirements from MIL-STD-2000 and -2000A and multiple program specific requirements to ANSI/J-STD-001.
1227	<b><u>Manufacturing-Soldering/Welding</u></b>	Authorizes use of revision 'A' and above of ANSI/J-STD-001, Class 3, High Performance Applications, for Solder and Electronic Assembly.
24	<b><u>Quality-Calibration</u></b>	Calibration: Converts calibration requirements from MIL-STD-45662A to ANSI/NCSL Z540-1.
165	<b><u>Quality-General/Multiple Processes</u></b>	Quality System: Replaces the Quality System based on MIL-Q-9858A and other military specifications and standards with one based on ANSI/ASQC Q9001, ANSI/ASQC Z1.4 and ANSI/IPC-PC-90.
55	<b><u>Software</u></b>	Software Development: Replaces numerous military standards with ISO/IEC 12207.
1459	<b><u>Testing</u></b>	Interconnect Test Requirements Streamlining -- Eliminates group B and group B/C test requirements.
50	<b><u>Testing</u></b>	Common Electrical Component Testing: Implements a common electrical component testing process for all programs with appropriate test levels determined by historical data and current test results.
30	<b><u>Testing</u></b>	Test Equipment Certification: Standardizes test equipment prove-in process for all programs.
48	<b><u>Testing</u></b>	Factory Test Reduction: Eliminates the requirements for 100% testing where data indicates that such testing is redundant or unnecessary.

## Raytheon Systems Company (Company Wide), Alexandria, VA

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2260	<b><u>Business-Direct Billing</u></b>	Eliminate Paid Cost Rule
2102	<b><u>Business-Earned Value Mgmt System</u></b>	Establish and RSC-wide EVMS system description
2103	<b><u>Environmental-AP2I- JGAPP</u></b>	Develop test protocol to be used to replace paints/topcoats with environmentally friendly substitutes
2144	<b><u>Manufacturing- Electronic Fabrication</u></b>	Replace a series of government and commercial specifications for PWB design and fabrication with an RSC standard based on IPC design standards and MIL-PRF-31032, respectively.
1972	<b><u>Manufacturing-ESD Protection</u></b>	Replace a variety of Electrostatic discharge requirements with MIL-STD-1686c
1970	<b><u>Manufacturing- Soldering/Welding</u></b>	Replace a number of contract specified soldering processes with ANSI-J001B class III
1971	<b><u>Quality System</u></b>	Replace a variety of Quality systems with ISO9001

## Raytheon Systems Company - Naval & Maritime Systems (NAMS), Fullerton, CA

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1643	<b><u>Business-General</u></b>	Contractor Purchasing System Review. Implement PROCAS initiative to regulate frequencies of system reviews.
1074	<b><u>Quality-General/Multiple Processes</u></b>	Consolidate MIL-Q-9858 and MIL-I-45208 to ISO-9000 based Quality System.

## Raytheon Systems Company- Sensors & Electronic Systems (SES), El Segundo, CA

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1507	<b><u>Business-General</u></b>	TINA - Commerciality, Subcontractor Flowdown Requirements, TINA & CAS Thresholds, Advance Notice/Consent to Issue, FAR, DFARS, and Certification Changes.
907	<b><u>Engineering-Configuration Mgmt</u></b>	This process establishes the requirements for a HAC Configuration Management/Data Management Process Owner Council responsible for the selection of a common CM process and standard tools, the formation of a Process Change Control Board which is responsible for reviewing changes to CM processes, providing training and setting standardized metrics.
1147	<b><u>Environmental-SPI</u></b>	National Aerospace Standard (NAS) 411 Hazardous Material Management Program, State and Federal Hazardous Material regulations imposed at site facility level.
906	<b><u>Logistics-Parts/Material Mgmt</u></b>	Conversion of Parts Management: A Parts Control Procedure (PCP) has replaced existing Government standards. This procedure establishes the roles of the Integrated Product Team (IPT) and Integrated Supply Management Team (ISMT), and their required interfaces, to assure a standardized and cost-effective EOS process. The IPT and ISMT provide technical support in the selection of parts during both the design and modification of existing design processes. These two teams assure standardization of electronics, electrical, mechanical and electromechanical parts incorporated into current future designs, and production of equipment or systems. Specific contracts may require unique parts control requirements over and above the EOS Parts Control Procedure. In these cases it is the responsibility of the Program IPT to create their own Parts Control Plan and detail how to integrate it into the generic EOS PCP. Also, the ISMT will provide the Preferred Parts and Preferred Supplier lists (PP/SL) to the IPTs according to "Parts Approval Process" (IPD-E-4-0.5) and "Supplier Certification (EM-M-1-1).
777	<b><u>Quality-Calibration</u></b>	Common Calibration: Replaces Mil-Std-45662 "Calibration Systems Requirements" with ANSI/NCSL Z540-1-1994 "Calibration Laboratories and Measuring and Test Equipment-General Requirements." The ANSI system allows the contractor more flexibility in implementing accuracy controls based upon customer requirements and specific job needs. This cost-effective and mission-focused method for assuring quality and accuracy of the measurement and test processes, maintains all compliance elements of the Military Standard.
774	<b><u>Quality-General/Multiple Processes</u></b>	Hughes EOS Quality System: Encompasses shifting the current Manufacturing and Material Quality system which utilizes several Specifications and Standards (Mil-Q-9858 "Quality Program Requirements" and related others) to an ANSI/ISO/ASQC Q9000-1 based common processes system.
520	<b><u>Quality-General/Multiple Processes</u></b>	HAC/RCS Quality System: The contractor's ANSI/ASQC Q9001 Quality System/Program replaced the military based system under MIL-Q-9858A Quality Program Requirements, MIL-STD-1520 Corrective Action and Disposition for Non-conforming Material, and MIL-STD-1535 Supplier Quality Assurance

		Program Requirements.
1502	<b><u>Quality-Inspection</u></b>	Replacing requirement for MIL-STD-105 Sampling Process with a requirement for ANSI/ASQC Z1.4-1993.

## Raytheon Texas Instruments Systems, Inc., Dallas, TX

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1656	<b><u>Business-Earned Value Mgmt System</u></b>	Direct Submission of Interim Vouchers
1719	<b><u>Business-Earned Value Mgmt System</u></b>	EVMS
1431	<b><u>Business-Subcontracting</u></b>	T/Cs, Enabling Provision
1016	<b><u>Business-Subcontracting-Enabling</u></b>	Prime/Subcontractor Flow Down Requirements and Subcontractor SPI Enabling Provisions
1659	<b><u>Engineering-Configuration Mgmt</u></b>	Configuration Management process
1663	<b><u>Engineering-Configuration Mgmt</u></b>	Configuration Management process
1658	<b><u>Engineering-Configuration Mgmt</u></b>	Configuration Management
1717	<b><u>Environmental-AP2I-JGAPP</u></b>	Paint Alternative
1483	<b><u>Environmental-AP2I-JGAPP</u></b>	Ground Based Interior Performance Base Paint process
1718	<b><u>Environmental-AP2I-JGAPP</u></b>	Paint Alternative
1439	<b><u>Environmental-AP2I-JGAPP</u></b>	Performance Base Paint Process
1434	<b><u>Environmental-AP2I-JGAPP</u></b>	Performance Based Paint
1716	<b><u>Environmental-AP2I-JGAPP</u></b>	Paint Alternative
240	<b><u>Environmental-SPI</u></b>	Paint Alternative
1732	<b><u>Logistics-Parts/Material Mgmt</u></b>	Part Selection Process
1734	<b><u>Logistics-Parts/Material Mgmt</u></b>	Part Selection Process
1680	<b><u>Logistics-Parts/Material Mgmt</u></b>	Parts Selection Process
1725	<b><u>Logistics-Parts/Material Mgmt</u></b>	Part Selection Process
1720	<b><u>Logistics-Parts/Material Mgmt</u></b>	Parts Selection Process
1722	<b><u>Logistics-Parts/Material Mgmt</u></b>	Parts Selection Process



1723	<u><b>Logistics- Parts/Material Mgmt</b></u>	Part Selection Process
1733	<u><b>Logistics- Parts/Material Mgmt</b></u>	Part Selection Process
1724	<u><b>Logistics- Parts/Material Mgmt</b></u>	Part Selection Process
1726	<u><b>Logistics- Parts/Material Mgmt</b></u>	Part Selection Process
1727	<u><b>Logistics- Parts/Material Mgmt</b></u>	Part Selection Process
1728	<u><b>Logistics- Parts/Material Mgmt</b></u>	Part Selection Process
1729	<u><b>Logistics- Parts/Material Mgmt</b></u>	Part Selection Process
1730	<u><b>Logistics- Parts/Material Mgmt</b></u>	Part Selection Process
1731	<u><b>Logistics- Parts/Material Mgmt</b></u>	Part Selection Process
80	<u><b>Manufacturing- Electronic Fabrication</b></u>	MIL-STD-275, IPC-610 for Electronic Assembly
78	<u><b>Manufacturing- Electronic Fabrication</b></u>	Encapsulation, ANSI/J-STD-001
79	<u><b>Manufacturing-ESD Protection</b></u>	MIL-STD-1686, ANSI/EIA-625 Electrostatic Discharge
248	<u><b>Manufacturing- Management</b></u>	MIL-STD-1695, Working Environment
246	<u><b>Manufacturing- Management</b></u>	MIL-E-5400, Factory Environment
81	<u><b>Quality System</b></u>	DS&E Quality System -- Replaced Mil-Q-9858 and Mil-I-45208 with TI DSE's approved implementation of ISO 9001. SPI modification completed 10/13/95.
43	<u><b>Quality-Calibration</b></u>	MIL-STD-45662, Contractor Process - Calibration ANSI Z-540
250	<u><b>Quality- General/Multiple Processes</b></u>	MIL-I-46058, ISO-9000 based Quality System
241	<u><b>Quality- General/Multiple Processes</b></u>	MIL-STD-454, ISO-9000 based Quality System
249	<u><b>Quality- General/Multiple Processes</b></u>	NAVMAT P-4855-1, MIL-I-46058, ISO-9000 based Quality System
245	<u><b>Quality- General/Multiple Processes</b></u>	MIL-W-5088, ISO-9000 based Quality System
251	<u><b>Quality- General/Multiple Processes</b></u>	MIL-C-28809, ISO-9000 based Quality System
242	<u><b>Quality-Inspection</b></u>	MIL-STD-1235, Attribute Inspection Procedure
244	<u><b>Quality-Inspection</b></u>	MIL-STD-2076, Attribute Inspection Procedure
243	<u><b>Quality-Non Conforming Material/MRB</b></u>	MIL-STD-1520, Material Review Board
247	<u><b>Testing</b></u>	MIL-T-28800, Test Equipment
70	<u><b>Testing</b></u>	MIL-STD-1519 etc., Contractor Process - Factory Test

## Rockwell-Collins Avionics & Communication Div.(CACD), Dallas Richardson, TX

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717	<b><u>Business-Direct Billing</u></b>	Defense Finance and Accounting Service (DFAS) Direct Voucher Submission: Allows direct voucher submission to DFAS without approval by the Defense Contract Audit Agency (DCAA). Process conversion is based on DCAA recognition of the adequacy of CSD Financial/Accounting systems for producing vouchers to their criteria (does not include first and final vouchers).
718	<b><u>Business-Gov't Property</u></b>	Property Deviation: Provides a Class Deviation to FAR Part 45 which reduces the current property recordkeeping for location changes and periodic physical inventory requirements for low value property, i.e., Special Tooling, Special Test Equipment, and Plant Equipment with an acquisition cost of \$1500 or less, and permits the contractor to defer reporting of loss damage or destruction of low value property until contract termination or completion.
719	<b><u>Business-Small Disadvantaged</u></b>	Comprehensive Small Business Subcontracting Plan: Allows the Rockwell CSD to substitute its approved FY97 Comprehensive Small Business (SB), Small Disadvantaged Business (SDB), and Woman-Owned Small Business (WOSB) Subcontracting Plan for individual subcontracting plans in contracts which require them. Done in accordance with Eleanor Spector July 31, 1996 letter, Subject: Test Program for Negotiation of Comprehensive Subcontracting Plans.
582	<b><u>Manufacturing- Electronic Fabrication</u></b>	Printed Circuit Board Fabrication: Replaces Mil-P-55110, Rigid Board Qualification and Performance Specification, with The Institute for Interconnecting and Packaging Electronic Circuits (IPC) standard IPC-A-600, Acceptability of Printed Boards, ("Class 3 level requirements) as the single process for fabrication of Printed Circuit Boards at CSD.
583	<b><u>Manufacturing- Electronic Fabrication</u></b>	Printed Circuit Board Design: Replaces Mil-Std-275, Printed Wiring for Electronic Equipment, with The Institute for Interconnecting and Packaging Electronic Circuits (IPC) standard IPC-D-275, Design Standard for Printed Boards and Rigid Printed Board Assemblies, ("Class 3 level design requirements) as the single process for design of Printed Circuit Boards at CSD.
352	<b><u>Quality System</u></b>	CSD Quality System: ISO 9001, 1994 revision, is incorporated as the single Quality System at CSD replacing MIL-Q-9858 (all revisions) "Quality Program Requirements" and MIL-I-45208 (all revisions) "Inspection Program Requirements."

## Rockwell-Collins Avionics, Inc.

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1934	<b><u>Business-FARA/FASA</u></b>	Rockwell Collins proposes tailoring FAR 52.212-4 for incorporation of all new commercial item contracts.
1329	<b><u>Business-FARA/FASA</u></b>	Apply FAR Part 12 to the current repair Basic Ordering Agreements (BOAs) and supply BOAs. BOAs must be modified to accept commercial
2199	<b><u>Business-General</u></b>	Rockwell Collins proposes implementing the Final Rule resulting from FAR Case 98-400 (Progress Payments and Related Financing Policies) to eliminate the paid cost rule for material purchases. In addition, Rockwell proposes deleting the MMAS Clause at DFARS 252.242-7004 from existing contracts to enable a single payment process to be established under their ERP system.
1241	<b><u>Business-General</u></b>	Develop one Cost of Money (COM) factor to be applied to an input to work in process base.
338	<b><u>Business-General</u></b>	Processing of Certain Rated Orders Under DPAS: Currently we are required to issue separate POs for the same part number if the requirements are mixed: rated and unrated. This SPI is to enable us to consolidate these requirements, reduce our PO volume, and experience administrative savings.
1585	<b><u>Business-General</u></b>	The final rules regarding rights in technical data and computer software were published in June 1995. These replaced the interim rules that had been in use since October 1988. The new rules are not retroactive to existing contracts, however, and individual contract modifications are required. A number of major contracts were entered into prior to the effective date of the new rules. In order to avoid administering contracts with two sets of rules, it is proposed that the June 1995 clauses be substituted in existing contracts for any new work added subsequent to the block change.
607	<b><u>Business-Gov't Property</u></b>	It is proposed to form a consolidated audit team consisting of contractor auditors and the DCMA Property Administrator. The team will plan the property survey work required to be completed each year and report the plan's schedule to contractor and DCMA management and the contractor Property Administrator. The effort to perform the survey will be shared by the contractor auditors and the DCMA Property Administrator. Resulting papers and findings will be shared with the two teams.
1302	<b><u>Business-Gov't Property</u></b>	Require data collection and calculation of rental charges only once per year. CACD will, in addition, submit estimated quarterly rental payments to DCMA based on the previous years' actual calculations.
2206	<b><u>Business-Reps &amp; Certs</u></b>	FAC 97-15 (12/27/99) revised the FAR to remove subpart 23.1, Pollution Control and Clean Air and Water, the provision at 52.223-1, Clean Air and Water Certification, and the clause at 52.223-2, Clean Air and Water.
1584	<b><u>Business-Reps &amp; Certs</u></b>	FAR 15.406-5 requires the Contracting Officer to include Section K - Representations, Certifications and Other Statements of Offerors or Quoters in all solicitations. There is a significant amount of administrative effort associated with the review and execution of these representations and certifications. This concept paper proposes a change to expand the use of annual Representations and

		Certifications and Other Statement of Offerors or Quoters by insertion of FAR 14.213, Annual Submission of Representations and Certifications into FAR Part 15, specifically FAR 15.407, Solicitation Provisions, including flowdown to subcontracts. It is also proposed to delegate responsibility for obtaining and maintaining annual Representations, Certifications and Other Statement of Offerors to the local DCMA office and to establish and implement a procedure to update for changes as they occur during the course of the year.
763	<b><u>Business-Small Disadvantaged</u></b>	It is proposed to eliminate the submission of individual Subcontracting Plans for prime contracts greater than \$500,000 and the submission requirement of SF294, "Subcontracting Report for Individual Contracts." Instead, CACD would submit an Annual Subcontracting Plan that would include subcontracting percentages and corresponding dollar goals for CACD's entire business operations in support of all DoD contracts. An SF295, "Summary Subcontract Report," would be submitted annually.
985	<b><u>Business-Subcontracting</u></b>	Continue the CRAG internal audit process to satisfy the CPSR requirements. The ACO's surveillance/risk assessment requirement is satisfied with the CRAG quarterly audit reports, and supplemented with other Government audits and/or portions of the CPSR as deemed appropriate by the ACO. The frequency of regularly scheduled future CRAG audits is changed from performance every 3 months to every 4 months, and will continue at that frequency as long as the number of findings are at a mutually agreed upon satisfactory level, and the ACO's risk determination remains "low."
446	<b><u>Business-Subcontracting</u></b>	Subcontracts for Commercial Items: FASA, Federal Acquisition and Streamlining Act, authorizes contractors to reduce the flowdowns for commercial items and components for contracts issued after October 1, 1995. However, CACD has contracts that were issued prior to this date. This SPI allows us to flowdown the reduced Terms and Conditions where appropriate.
1328	<b><u>Business-Subcontracting-Enabling</u></b>	The contractor proposes the block change incorporation of an "enabling provision" as recommended by Dr. Kaminski. That is, "To the extent that any prime contract processes, that are flowed down or imposed on subcontractors, are inconsistent with SPI processes accepted by the Government for use at the subcontractor's facility, prime contractors may substitute the accepted subcontractor equivalent process."
767	<b><u>Engineering-Configuration Mgmt</u></b>	Replace MIL-STD-973 and its predecessors with the national consensus standard for configuration management, Electronics Industries Association Interim Standard 649 (EIA/IS-649). This initiative impacts all active and future programs that require a configuration management process. CACD applies the discipline and principles defined in EIA/Is-649.
2154	<b><u>Logistics-Packaging</u></b>	This Concept Paper proposes to replace MIL-STD-2073 with the Industrial Equivalent of ASTM-D3951 that specified the method of Best Commercial Practice for packaging and packing. This initiative would affect all existing contracts that currently require other than the preservation Method 10 or packing levels A and B.
339	<b><u>Manufacturing-Electronic Fabrication</u></b>	Adoption of a Single Environmental Stress Screening Plan: Currently there are a multitude of ESS requirements called out in various customer approved documents such as equipment specifications and final acceptance test documents. There are many guidance documents used by the government and CACD to define ESS requirements. It is proposed that all CACD equipment use the newly developed "Environmental Stress Screening (ESS) Plan for CACD Production Equipment" as a basis for developing and maintaining the ESS process.
1642	<b><u>Manufacturing-Management</u></b>	Current military specifications would be replaced with alternative process specifications. A specification would be developed which listed the current government specification number and the proposed replacement. The specification would be identified in the purchase order as an overriding document so that the suppliers would use the replacement specification during their manufacturing process.
1878	<b><u>Manufacturing-Soldering/Welding</u></b>	Rockwell-Collins proposes incorporating the Soldering Standard at ANSI-J-STD-001 via acceptance of their Rockwell-Collins Workmanship Standards Manual. The Manual was established pursuant to the SPI block change for workmanship

		standards dated August 21, 1996
345	<b><u>Manufacturing-Soldering/Welding</u></b>	Adoption of a Single Process for Workmanship Criteria and Standards: The Rockwell CACD Workmanship Standards Manual will be used as the basis for soldering and workmanship acceptance criteria. The Workmanship Standards Manual, with three levels of workmanship acceptance criteria based on external requirements (MIL-STD 454, MIL-P-28809A, MIL-C-28809B and MIL-STD-2000A) will be consolidated to two levels that will be based on product performance needs. The two levels will address both a highly rigorous performance environment and a general level performance environment.
730	<b><u>Quality-Calibration</u></b>	Calibration Control System Requirements: The purpose of the block change is to record the alignment of Collins Avionics & Communications Division's calibration control system requirements with ANSI/NCSL Standard Z540-1, American National Standard for Calibration - Calibration Laboratories and Measuring and Test Equipment - General Requirements. Prior to this agreement, the calibration control system embodied the key quality system requirements of MIL-STD-45662A. This MIL-STD was canceled per notification dated February 27, 1995. Internal audit reports and other metrics used to monitor results and determine calibration system performance will be made available to the Government.
21	<b><u>Quality-General/Multiple Processes</u></b>	Adoption of ISO-9001 as Common Quality System: CACD proposes the adoption of ISO-9001 1994 version as a Single Quality System at CACD, replacing MIL-Q-9858A, Federal Aviation Regulations (FAR) Part 21, and MIL-I-45208. Quality system compliance to ISO-9001 will be assured through use of a robust internal audit program and validated by an accredited certification agency. Certification will be maintained through periodic assessments by the certification agency.
1242	<b><u>Quality-Supplier</u></b>	MIL-STD-1535A, Delete the equipment and provide for replacement with KTR's processes.

## Soladyne, San Diego, CA

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881	<b><u>Manufacturing- Electronic Fabrication</u></b>	Manufacture/Fabrication of Microwave Frequency Printed Circuit Boards for Wireless Applications: Replaces the requirement for producing and certifying military printed wiring boards to MIL-P-55110. Involves a single acceptance criteria and testing set for high frequency, high reliability printed wiring boards based on IPC-HF-318, an industry wide specification including best commercial practices on high performance laminates.
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